

# Manufacturer Record

Exponent of America



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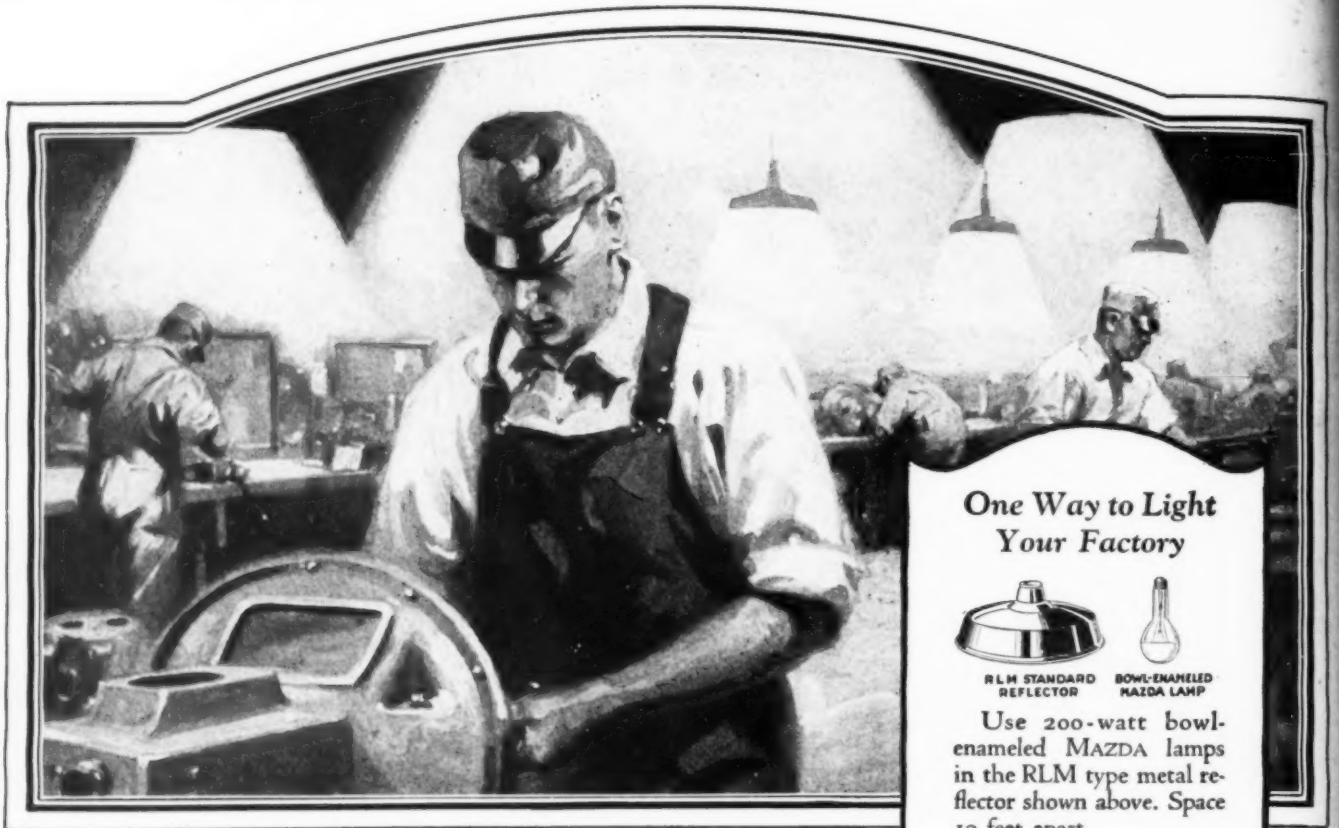
Baltimore, Md.  
FEBRUARY 18, 1926

## A Great Business Leader's Epoch-Making Letter.

Henry M. Leland, the organizer of the Cadillac Car Company and its dominating officer until he and his associates sold out, the builder of Liberty motors for the Government during the war and a man whose influence for the betterment of humanity in his home city, Detroit, as well as elsewhere won for him the distinction by which he has long been known as "Detroit's best citizen," was recently criticised by Henry B. Joy of Detroit and called a fanatic because of his views in behalf of Prohibition.

In an open letter reply written for this paper, Mr. Leland, without a word of harshness, has written a story which, if we are not very much mistaken, will make Mr. Joy wish that he had never entered into this controversy. Kind, gentle, but all-compelling in its truthful portrayal of what has been the influence of the liquor interests, Mr. Leland, in the vigor of manhood at 85 years of age, draws a picture from his own personal experiences in coming in contact with drunken men which will indelibly stamp itself upon the mind and heart of every man who reads it.

Whether you believe in Prohibition or are bitterly opposed to it, the Manufacturers Record asks you, in the interest of humanity, to read carefully and thoughtfully Mr. Leland's remarkable letter published in this issue.



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# Manufacturers Record

EXPONENT OF AMERICA

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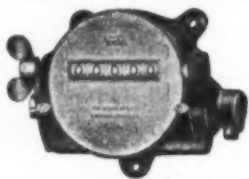
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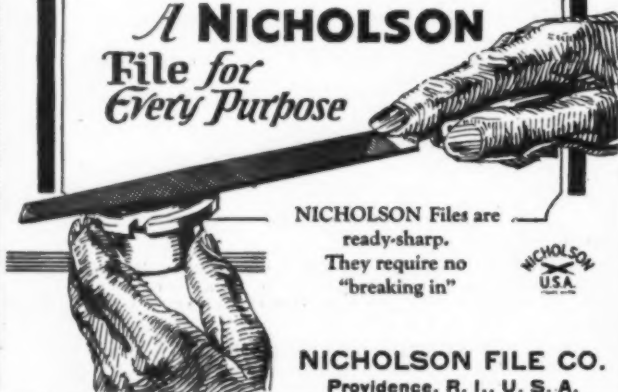


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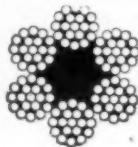
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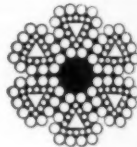
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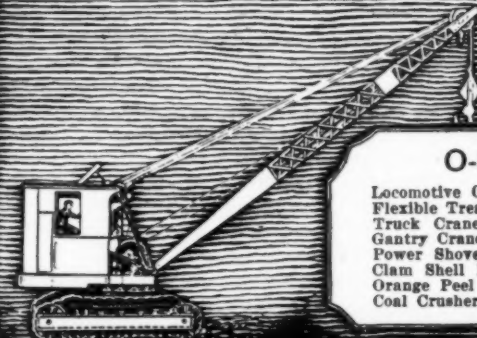
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# Manufacturers Record

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Vol. LXXXIX No. 7  
Weekly

BALTIMORE, FEBRUARY 18, 1926.

{ Single Copies, 20 Cents.  
\$6.50 a Year.

## American History As an International Study in Connection With the League of Nations As Viewed by an Englishman.

PROF. M. McELROY, Harold Vyvyan Harmsworth professor of American History at Oxford, England, delivered on January 29 an inaugural address on "American History as an International Study."

Professor McElroy stated that "the nations of the world are only now beginning to face the more pressing problems arising from the assumption of the equality of sovereign nations. \* \* \* The theory of the equality of men is old, but the theory of the equality of nations dates, in international law, from the Peace of Westphalia, and, so long as nations stood apart, it was comparatively harmless. But within a decade the nations have entered a new era, and without the new thoughts which its duties enjoin. \* \* \* When the people of the United States superimposed upon a war-made confederation of state governments a Federal Constitution granting the nation power over individuals, they took a step wholly new to history. All confederations before that time had relations only to the states as separate bodies, which, in turn, acted upon individuals. The history which tells why that far-reaching change was made must be of importance to all men who believe that the hour of world-confederation, or world-federation, is at hand."

Having thus laid his groundwork, Professor McElroy moved to advance a thought that must be of tremendous interest to every American:

"Assuming the permanence of the principle of self-defense, does that dispose of the great question which cost America so many lives (the War Between the States)? Suppose that, after half a century of successful operation of the League of Nations, your own great nation (Britain) should give notice that she is withdrawing at the end of two years. Suppose, further, that Germany, France, Russia (after Tchitcherin passes) and Italy, Japan and China, Poland, Czechoslovakia and the rest were all convinced that such withdrawal would upset economic conditions, start a centrifugal process dangerous to their peace and prosperity, and inimical to their most cherished interests. Is it to be supposed that they would do otherwise than was done by the American states which made up the majority in 1861, when they brought to

bear for their own protection the superior force which was theirs? Does history teach us that such questions can be settled in advance by a form of words, by mere verbal incantations? There are doubtless few Englishmen or Americans who would offer their swords to any League of Nations for the purpose of keeping their own nation in a union against its will; but we should not forget that forces similar to those which set state against nation in America's Civil War may bring the nation and the League of Nations into similar conflict before the end of another century."

The frankness of Professor McElroy is refreshing. Here he is blandly stating that even if a nation joined the League under the most specific contractual agreement as to its right subsequently to withdraw, such a contract would be a mere "scrap of paper." He foresees the time when some Englishmen and Americans would be saying: "My allegiance is to the League first and to my country afterwards." He foresees the League, grown mighty, summoning its constituent members to wage war to prevent an individual member from exercising its legal and moral rights. Moreover, the Professor is quite right. Had the American Constitution asserted the specific right of secession, the Union, it is quite probable, would nevertheless have been preserved.

Yet it is into such a Confederation, such a Super-State, that protagonists of our joining say we can be thrust by a mere edict of the Senate. They undertake to say that the Senate, without reference to the people, can put this nation into a Confederation from which it could never maintain its contractual right of withdrawal unless by force of arms. It is the League that is to be supreme.

The very intensity of the international efforts to lead us into the League is in itself an assurance that, once in, these same international forces would not hesitate, when powerful enough, to employ their military might to keep us in.

Moreover, Professor McElroy talks common sense. Practical men know it. If our membership in the League conferred on the other members the enormous benefits they insist such participation would confer, obviously they would never



consent to our withdrawal. It is against all human experience to suppose otherwise.

If, then, the going into the League means an irrevocable step, surely our entrance should be by the solemn mandate of the sovereign power, which is not the Senate, nor the Congress, nor the President and Congress together, but is the whole people themselves speaking through their Constitution. The assumption that we can be thrust in by some other method, by some easy method, is wholly gratuitous, albeit very subtle. It would be a hopeless task, we surmise, to convince the great majority of American citizens that we ought to be in such a League, while the procurement of the requisite majority for "ratification" by the Senate would be comparatively simple. That is why the American people are being led to believe that the stupendous step can legally be taken by the Senate alone.

"There are doubtless few Englishmen or Americans who would offer their swords to any League of Nations for the purpose of keeping their own nation in a union against its will." Be not too sure, Professor McElroy! Before another century has passed there may be a new "Civil War," not between the states of the American Union to preserve that Union, but between the nations to preserve that new Union, now called the League of Nations!

The Constitution never contemplated that the Senate should have the right to lead us into such a shambles.

From the very beginning of the advent of America's entrance into the League of Nations the MANUFACTURERS RECORD fully recognized that if we once entered the League the united power of the world would be concentrated to hold us in the League regardless of any desire that we might in future have to withdraw. To join the League of Nations either through the action of the Senate or in any other way would be to shackle ourselves forever with the diplomacy of Europe and all other countries, determined as they some day will be to control the destiny of America for their good but not for ours.

In the light of this situation, which it has seemed to us from the very beginning to be the predetermined policy of other countries, it has been impossible for us to understand why American people have not been able to realize that in entering the League of Nations we would be surrendering our sovereignty and binding ourselves into the power of other countries and without any ability on our part whatsoever to withdraw unless in withdrawing we were prepared to fight the entire world, for all other countries in the League of Nations would concentrate their utmost force upon holding us in the League.

Blind indeed is the man who does not realize the chasm which is ahead of us and to which we will be rapidly hastening just as long as there is any possible danger of our ever entering the League of Nations, it matters not how many reservations we might write into our contract. We are too apt to forget that there is no other nation under the sun just like the United States, and that every other nation without exception has ambitions and aspirations entirely different from those of our country. We are too apt to forget that the diplomacy of other lands is entirely different from ours, and how thoughtful American people can be so

seriously misled by the propaganda with which Europe is flooding America in favor of the League of Nations is beyond our comprehension.

It is barely possible that the tremendous influences which are now at work under the leadership of the most skilful diplomatists of Europe to draw us into the League of Nations may eventually succeed in capturing the necessary vote in the Senate. It, therefore, becomes doubly important that the people of the country should be fully awakened to the terrific menace which threatens us in this movement. Professor McElroy has rightly stated the case, for he says that in the case of America in the League of Nations we would be forced forever to remain in that League by the combined military power of the world if we should seek to withdraw. Pre-eminently is this true.

### A MISTAKEN GOVERNMENTAL POLICY.

A NEW YORK and Chicago banking firm has recently advertised \$1,100,000 of 6 per cent bonds on the Quincy Station Postoffice, with the statement that "the United States Government has contracted for a lease for the entire building for postoffice purposes for a period extending beyond the maturity of these bonds at an annual rental of \$123,500."

Here is another case, similar to a number we have mentioned, in which this Government rents a building as a post-office, permitting the owners thereof to make a large profit even after paying 6 per cent for the bond money, when the Government itself could easily sell its own bonds at a very much lower price and thus hold title to its own building.

It would be difficult to find a more fitting illustration of the niggardly way in which the Government manages its affairs by paying high rents for buildings which it could construct by the use of its own bonds and save heavily on the investment. The Government thus gives to land speculators and contractors and bankers the opportunity to make money at the expense of the people, merely because there is so little appreciation of the wisdom of making investments in permanent structures through the issuing of Government bonds, as in this case.

All over the country there is a pressing need for Government buildings. In the growing communities of the country, pre-eminently illustrated in the case of Florida, business is hampered; mail facilities are overcrowded, mails are housed in inflammable buildings, postal clerks are worked under insanitary conditions, the delivery of mail is delayed day after day, and sometimes week after week, because the Government moves too slowly and is too niggardly to provide facilities to meet the needs of the hour.

Talk of economy? This is not economy! It is wild, wasteful extravagance; wasteful from the Government's financial standpoint, and wasteful from the standpoint of the business people whose loss of time from inadequate postal facilities, measured on the dollar basis, is many times greater than the loss would be to the Government in putting out money to erect adequate buildings. Instead of the limited amount which it is proposed to spend in the next five years for Government buildings, that amount should be increased many fold. No better investment, no greater illustration of economy, real economy, could be given than for the Government to issue a sufficient amount of bonds to erect the Government buildings that are badly needed, and to carry forward promptly the work of harbor and river improvements that our transportation facilities may be adequately increased.



## A STUDY OF CORPORATION OPERATIONS IN 1923.

**A**N analysis of business corporations, their earnings and losses, and the amount paid out in taxes in 1923, prepared by the National Industrial Conference Board of New York, presents many facts of special interest to business. The statement follows:

"Incorporated business enterprises in the United States, which in 1923 reported an aggregate net income of \$9,269,000,000, paid out of this amount \$2,572,000,000, or more than a fourth, 27.7 per cent, in taxes to Federal, state and local governments, exclusive of special assessments or betterment levies.

"Their total tax bills represented a sum equal to 2.2 per cent of their gross receipts,  $3\frac{1}{2}$  per cent of their net assets and 61.7 per cent, or nearly two-thirds, of the amount paid to their stockholders in cash dividends, which was \$4,169,000,000 in that year.

"Of the total of \$2,572,000,000 in Federal, state and local taxes paid by incorporated business organizations in 1923, \$986,000,000, or 38.4 per cent, came from manufacturing companies; \$625,000,000, or 24.3 per cent, from transportation and public-utility companies; \$417,000,000, or 16.2 per cent, from banking, insurance and financial corporations; \$281,000,000, or 10.9 per cent, from companies engaged in trade; \$130,000,000, or 5.1 per cent, from mining and quarrying companies; \$85,000,000, or 2½ per cent, from public service (hotels, theaters, etc.); \$29,000,000, or 11.1 per cent, from agricultural and similar corporations, and \$22,000,000, or 0.9 per cent, from construction companies.

"Mining and quarrying corporations paid in Federal, state and local taxes combined a sum equivalent to 93.3 per cent of their net income in 1923; the total tax burden upon agricultural corporations amounted to 44.2 per cent of total net income; manufacturing companies, 22.4 per cent; construction enterprises, 25.2 per cent; transportation companies and public utilities, 33 per cent; trade corporations, 24.7 per cent; public service (hotels, amusement enterprises, etc.), 35.2 per cent, and financial organizations paid taxes equivalent to 32.2 per cent of their net income.

"All corporations, taking the fair value of their net assets as reported for capital stock tax purposes as the approximate net investment of stockholders, earned in 1923 9.1 per cent on their investment, after deducting all taxes, while cash dividends distributed to stockholders constituted 5.68 per cent upon their investment, according to this analysis.

"Out of the total of 398,933 corporations in the United States in 1923, 165,594, or about 40 per cent, failed to make a profit and showed deficits as result of the year's operations aggregating \$2,014,000,000. The proportion of those whose accounts for the year were in the red was highest in the mining and quarrying group, amounting to 72 per cent; in agriculture and related industries 58 per cent showed a deficit; in manufacturing as a whole, nearly 37 per cent ran behind; in construction, 35 per cent; among transportation and public-utility companies, 32.4 per cent; in trade, 32 per cent; among amusement, hotels and similar establishments, 38.4 per cent, and in the banking, finance and insurance field 35.3 per cent showed deficits for the year."

## TENNESSEE MANUFACTURERS ASSOCIATION ON MUSCLE SHOALS.

**T**HE Tennessee Manufacturers Association, under the leadership of President John E. Edgerton, has given close study to the Muscle Shoals proposition. At a meeting of the governors, held in Memphis on February 2, the following resolutions were adopted as expressing the views of that organization:

"We reaffirm the resolution adopted by the membership of the Tennessee Manufacturers Association at its annual meeting on February 5, 1924, which resolution is as follows:

"*Resolved by the Tennessee Manufacturers Association, in annual convention at Nashville, That in the making of any contract by the Federal Government for the operation of the development at Muscle Shoals, manufacture of explosives for national defense be deemed the most important feature; manufacture of fertilizer in time of peace, second; that the contract with the licensee provides that power from Muscle*

Shoals shall be distributed in Alabama and the adjoining states and offered for sale; that the Federal Water-Power Act apply to the contract and the completion of Dam No. Three be positively assured.

"And we, at this meeting, add the following:

"*Be it Resolved further, That we are opposed to development and operation by the United States of the power possibilities of the rivers of Tennessee, and favor development of power by private capital for sale and distribution under regulation so as to provide power to the consumer at the lowest reasonable cost and to prevent any abuse of the power.*"

## A NEW YORK BANK'S ESTIMATE OF THE SOUTH.

**T**HE American Exchange-Pacific National Bank of New York in its weekly financial statement gives due credit to the South for the remarkable progress that is now under way in the development of its industrial interests. Coming from one of New York's leading banks, the view expressed is of special interest. It is as follows:

"The magic wand of hard work is rapidly building an empire within an empire in the South. Industry is taking its place alongside agriculture, thus rounding out an economic structure that has few equals in the world. To the visitor able to look at the new South against the background of the old, the changes that have taken place seem actually to have been wrought by magic. But the magic has been the magic of hard work applied to natural resources such as are vouchsafed to few peoples.

"There is hardly an enterprise known to modern industry that is not represented in the great workshop of the new South. The growth of the textile industry in the cotton states has been well advertised, but there are iron and steel mills, chemical plants, machine shops, furniture factories; there is mining, copper, iron, coal, phosphate, aluminum; there are oil wells, building stone and marble quarries; there are shipyards, lumbering, automobile and clothing factories—in fact, there is hardly a known product that is not to be had straight from the mill at some place in the South. But with all this industrial development, the South is still predominantly agricultural. Its cotton fields, its peanuts, its potatoes, its fruits, its wheat and corn, its cattle and its forage make the South the land of the truly blessed.

"In the Southeast, water-power development has reached an advanced stage, many of the huge industries in Tennessee, the Carolinas, Georgia and Alabama being driven by power developed on the mountain streams which tumble over old story in the South. For several years leading cities have the Appalachians and the Cumberlands. Superpower is an drawn their light and power from systems which connect them all in a single chain. Cheap power, ample resources and an abundance of enterprise and muscular energy are the factors that are rejuvenating the South, bringing it back to the place of dominance which it once occupied.

"The great Southwest, with its ports, its vast resources of oil, timber, cattle and cotton, is one of the richest sections of the earth. Real wealth consists of natural resources and the tools for utilizing them. The South has this kind of wealth, and it is evident to the observer that its development has just begun."

### A \$1,000,000 HOTEL IN NORTH CAROLINA.

THE announcement in the MANUFACTURERS RECORD last week that a \$1,000,000 hotel will be built between Southern Pines and Pinehurst is one more indication of many that we have recently given of the development going on in all parts of the South. Thirty years ago, or a little over, there were few more desolate, dreary-looking spots in the entire South than the sandhill region of North Carolina, where Southern Pines and Pinehurst are located. But the energy of those who took hold of that situation made possible a development which has transformed that region into one of the most attractive resorts and agricultural centers of the country. Pre-eminently has it become a world center for golf and a great Southern center for the production of fruits.

The winter tourist business in Southern Pines and Pinehurst has for a long while far exceeded the splendid hotel facilities to be found in these places. It is appropriate, therefore, that a new hotel to cost \$1,000,000 should be erected there. Along that entire region, down through Camden to Charleston on one side and to Aiken and Augusta on the other, the winter tourist business is developing almost as rapidly as in Florida, and we venture to predict that this new hotel will stimulate the building of hotels at Camden, at Aiken and elsewhere, and that from the day these new hotels are opened they will be crowded with guests.

That entire region of delightful winter climate is generally regarded as the foremost single center of golf in the world. Some years ago the golf links at Pinehurst also kept 500 caddies on the field throughout the season. Since then three or four other golf links have been completed and the number of caddies on these various links has probably doubled or trebled.

This tourist business of the South is of immeasurable value. A million-dollar industrial plant at Southern Pines, desirable as it might be, would not be one-half as important in bringing money into that section as will this hotel, with the thousands of well-to-do people who will annually flock to it and become enamored of the climate and other advantages of that section, and become investors and permanent residents. It has been the tourist business of Florida that has made that state what it is, and this business should be encouraged in every part of the South wherever it is possible.

### GENERAL ANDREWS STRONG FOR PROHIBITION CAMPAIGN.

GEN. L. C. ANDREWS, Assistant Secretary of the Treasury, who is in direct charge of the Prohibition work, in the course of a letter to the MANUFACTURERS RECORD says:

"Step by step we are establishing our position and getting our feet more firmly planted for a successful campaign against the bootleg industry."

This brief sentence from General Andrews carries a world of encouragement. If he can carry out to a successful issue what he has suggested, he will have rendered a service of inestimable value to the country. The whole Prohibition issue, as it now stands, is merely a question as to whether the Federal Government or the criminal class is the stronger. The Government stands for law enforcement; the criminal element stands for law violation.

There is no way whatever of getting around that fact, and any man who encourages violation of the law is seeking to the extent of his ability to make the criminal element of the country stronger than the Federal Government. This is not simply a question of Prohibition; it is a question whether the Federal Government or the criminal element can win.

### A PROGRAM OF REVOLUTION.

THROUGH the complaisance of Government officials who, despite their oath of office to protect the United States, permit seditious and scurrilous publications to be circulated through the Postoffice Department mails the MANUFACTURERS RECORD is in receipt of several copies of the Daily Worker, "entered as second-class matter, September 21, 1923, at the Postoffice at Chicago, Ill."

We reprint the leading feature on the first page of the Daily Worker's "second birthday anniversary edition," January 9, 1926:

#### "HERALD OF THE REVOLUTION."

"Moscow, Union of Soviet Republics, Dec. 29, 1925. Editorial Staff, Daily Worker, Chicago.

"The Second Anniversary of the existence of the only English-language Communist daily in the United States of America proudly proclaims the irresistible victory of Communist thought. Proudly proclaims that for the idea of the world revolution there are no locked doors—no insurmountable barriers! Even in 'immeasurably rich' America, which levies tribute upon the rest of the capitalistic world and which is hailed by all social patriots of the world as the only guarantee for the convalescence of world capitalism, even there the idea of proletarian revolution has taken firm root. The two years' existence of the Daily Worker is irrefutable proof that final settlement is approaching also in America, that there also exists a firm kernel of revolutionary workers, able and determined consciously to organize the proletarian revolution.

"Long live the Daily Worker, entering upon its third year, herald and bearer of the proletarian revolution in America!

(Signed) "ZINOVIEV,  
"President of the Communist International."

What, first, is this proletarian revolution? John Pepper (Pogany) is thus quoted by the late R. M. Whitney, an authority on communism:

"After the victory of the La Follette revolution there will begin the independent role of workers and exploited farmers, and there will begin then the period of the fourth American revolution—the period of the proletarian revolution. We stand before a complete Renaissance of the whole economic, social and political life in America."

Who is Zinoviev? His real name, say Whitney and the Lusk Committee, appointed by the New York Legislature to investigate Communist activities, is Apfelbaum. From the outset of the Communist movement to overthrow the American Government by violence and bloodshed he has been a leader.

What is the Communist International? It is, says Whitney, the agency or tool of the Order of the Illuminati, the purposes of which were thus proclaimed:

1. The abolition of government.
2. The abolition of patriotism.
3. The abolition of private property right.
4. The abolition of inheritance.
5. The abolition of religion.
6. The abolition of family relation.

The editors of the Daily Worker are given in its columns as J. Louis Engdahl and William F. Dunne, whom Whitney in "Reds in America" described as members of the central executive committee of the Workers (Communist) party, with William Z. Foster and Benjamin Gitlow, both now ex-convicts, and C. E. Ruthenberg and John Pepper (Pogany) and other sterling patriots. The business manager is given as Moritz J. Loeb, "of the Friends of Soviet Russia," as Whitney puts it.

In short, instead of feeling aggrieved, we believe the Daily Worker would be hugely delighted to be described as the aggressive organ of the world Communists who propose to destroy the American Government and to set up a "soviet republic" in the United States.

To which, one feels almost moved to add, sworn officials of the United States appear to have no objection.



## THE PROTESTANT EPISCOPAL CHURCH HAS NOT WEAKENED ON PROHIBITION.

NOW that the sound has subsided and the smoke has drifted away, the anti-Prohibition bomb of the Church Temperance Society, whose engineers are members of the Protestant Episcopal Church, proves to have been merely a squib—almost a “dud.” Instead of being empowered, or even authorized, to speak officially for the Protestant Episcopal Church, the organization is disclosed by Bishop Manning of New York as simply an independent body “whose existence had been almost forgotten” by the Church, as he very pithily expressed it. It had no official standing in that Church and its tirade against Prohibition did not carry the sanction of that faith.

Further than this, we are informed, no organization can, under the laws of the Protestant Episcopal Church, speak officially for that body, this being explained in the following letter to the MANUFACTURERS RECORD from R. A. Meares, secretary of the Ridgeway Business League, Ridgeway, S. C.:

“As a subscriber to your magazine, which is so highly valued, I call attention to a fact that should be known in advance of any comment you may make concerning an item in the newspapers in regard to the ‘bout-face’ position taken by a society in the city of New York styled the ‘Temperance Society of the Episcopal Church’ in an announcement from its secretary that, as a result of a year’s research reported to its members by himself, the organization has now come to support modification of the Volstead Act and to favor the permit, under the law, of sales of wine and beer.

“I am writing lest, if you are not a member of the Church mentioned, you may be taken in by the name by which this body calls itself and consider, as many have done, that the action of this society has committed the Episcopal denomination thereby. Suffice it to say that such is in no wise the case.

“The Episcopal Church is a constitutional body for propagation of its tenets on faith and morals, and under its provisions of canons cannot be authoritatively represented except by order of its General Convention. Not even the National Council, an administrative supreme body of the denomination, under presidency of Bishop Murray, speaks for it except as thus expressly permitted.

“The Church Annual for 1926 shows this ‘temperance’ society to be simply a social, voluntary body, with headquarters in a room in a building in New York city, with a president and a secretary who are clergymen of the Episcopal Church, it is true, but who are not engaged in the work of the ministry proper, but are on a non-parochial list of the clergy in the diocese of New York.

“Churchmen who know their Church as the writer does are desirous to have no one think for a moment that the Episcopal Church wanders off the track assigned it at its birth into political fields, or allows anybody or collection of people to speak in its name, especially upon issues foreign to its sphere.

“I trust I have not presumed to bring to your attention unnecessarily a matter that will be widely commented upon adversely to the reputation of the Episcopal Church in this country, of which I am a follower in matters of faith.

“The Manual, from which I get my information, states also that there are two bishops of the same church—both of Pennsylvania—who have permitted the use of their names as ‘patrons’ of this society; besides these and the secretary and the president, there appears to be no connection with any particular denomination.”

But, as in all such cases, Truth finds it almost impossible to catch up with Deception. The counterfeit has been given wide circulation and has been accepted, especially by the liquor champions, as genuine legal tender. For this reason only the MANUFACTURERS RECORD considers the anti-Prohibition pronouncement of the Church Temperance Society, through Rev. Dr. James Empringham, its superintendent, as worthy of even brief comment.

As “the result of a questionnaire sent to 20,000 members of the society,” said Dr. Empringham, it had been found that “an overwhelming majority favor modification to legalize light wines and beer and a return to the campaign of education along temperance lines conducted by the society

prior to 1916.” Of course, Dr. Empringham’s assertion must be accepted at face value—and yet, and yet, this may be difficult for some persons who may suspect that his organization virtually has sailed openly out onto the alcoholic sea under false colors. True, Dr. Empringham has not said that his society officially represents the Protestant Episcopal Church, but the manner in which his report was issued gave that intimation and he has not yet, as far as we are informed, explained explicitly that it did not officially speak for the Church.

Dr. Empringham is quoted thus in the press:

“We are in favor of a modification of the Volstead Act to permit the sale of beer and wine, because: First, the effect of Prohibition has been to put an end to scientific temperance teaching; second, it has resulted in increased drinking among young people; third, it has discouraged the consumption of wine and beer and increased the demand for distilled liquors, which today are mostly poisonous; fourth, it has brought about disrespect for all laws; fifth, it is class legislation, discriminating in favor of the rich; sixth, it has increased intemperance.”

The old, old arguments, so familiar and so futile. Have Dr. Empringham and the liquor advocates in the land no imagination? Can they invent nothing new in the place of these wornout untruths? Is not the boasted bootleg liquor sufficiently potent to stir their brains to some ingenuity in the invention of new “reasons” for returning to the domination of liquor and the saloon?

The effect of Prohibition has not been “to put an end to scientific temperance teaching”; the teaching of temperance, or moderation, in eating and in drinking, in work and in play, in activity and in rest will continue as long as the world rolls around. The teaching of Prohibition and its benefits should be continued in order to prevent possible return to the acknowledged evils of alcohol. In time of Prohibition peace, the people must prepare against alcoholic war. In congregations to which Dr. Empringham has preached there probably has not been one thief among each 1000 worshipers; but did that ever move him to discard the Commandment, “Thou shalt not steal,” or to refrain from warning his auditors against insidious temptation to steal, or to cease repeating the admonition, “Let him that thinketh he standeth take heed lest he fall”? Dr. Empringham’s first “reason” is fallacious.

Prohibition “has resulted in increased drinking among young people.” Ergo, the best way to decrease this youthful bibulousness is to open the saloons and undam the reservoirs of “light wines and beer” and the whisky, gin and rum, which are their invariable companions. First, it is greatly to be questioned that Prohibition has increased drinking among the young. If so, the ordained and responsible ministers of Religion have failed, and are failing, in their duty. Youth, properly guided by properly guided parents, does not run amuck through plain viciousness, but rather in juvenile irresponsibility, and if Dr. Empringham and his fellows in the clergy of all faiths cannot guide parents and children aright, he and his fellows had better try to find the reason for their failure, instead of searching for excuses to advocate the restoration of rum.

The restoration of “light wines and beer” means the restoration of the saloon. Any former saloonkeeper will tell Dr. Empringham and other wine and beer advocates that the saloon never lived, far less profited, on beer and light wines alone; the profits came from the whisky and other strong liquors which they dispensed over the bars. To such extent is that true, we have been informed, that at one time the brewing interests considered very seriously the discontinuance of their generous financing of the saloon, because the brewers furnished the capital for the retail trade in beer and the saloonkeepers and liquor distillers reaped the whisky and gin dividends on the brewers’ investment. Restoration of light wines and beer means restoration of



the saloon; restoration of the saloon means restoration of whisky, gin and rum; restoration of hard liquor means return of thousands of men and of hundreds of thousands of women and children to misery, degradation and death—morally, physically, mentally and financially.

Prohibition "has increased the demand for distilled liquors, which today are mostly poisonous"—an assertion which can be denounced outright as absolutely false. It may have done so among members of the Church Temperance Society, but it has not in the nation at large. On the contrary, the demand for distilled liquors is confined to a very small and lawless percentage of the citizenry of the United States. The assertion has been repeated in parrot-like fashion so often by anti-Prohibition people that many of them really believe it, and a few deluded Prohibition advocates also may accept it as a truth. It is not a truth; it is a falsehood. The fact that most of the hard liquor in these days is poisonous is entirely irrelevant—there is no more compulsion, or indeed inducement, for a person to drink poison in the form of alleged whisky than in the form of carbolic acid; it is a question of taste for people who wish deliberately to drink poison. Federal Government officials recently have disclosed that only one sample out of every 1000 they have tested is "good" whisky; any whisky drinker knows full well that he might as well take carbolic acid.

Prohibition "has brought about disrespect for all laws"—another deliberate falsehood of alcohol advocates. It has done no such thing. But, even if it had, have not Dr. Empringham and his fellows sufficient strength to combat this "disrespect for all laws" by their interpretation and teaching of the Bible and religion? This assertion by Dr. Empringham is an open confession of failure in his ordained duty and effort to lead the people in the path of righteousness.

Prohibition "is class legislation, discriminating in favor of the rich." Nonsense! If Prohibition does discriminate, it is in favor of the so-called poor. Only the rich—and foolish—can and will pay tremendous prices for liquor, and poison liquor at that. The poor cannot afford it, and, as they will tell Dr. Empringham and his society, are far better off in consequence. We venture to assert that the so-called poor would vote in overwhelming majority against the return of liquor, or even of light wines and beer.

Prohibition "has increased intemperance." The only intemperance which we have seen increase in recent times is intemperance in false assertion, intemperance in speech and intemperance in alcoholic activity by those who would restore light wines and beer and, indirectly, whisky and gin and rum and the saloon, and these sorts of intemperance are conspicuous in Dr. Empringham's statement.

To say that the Protestant Episcopal Church favors the restoration of light wines and beer or any other modification of the Volstead Act is, we are convinced, almost criminal libel against one of the greatest religious organizations in the history of Christianity. Above all things, the Protestant Episcopal Church is courageous—there is not a "yellow streak" in its composition; such an organization is above even thought of surrender to the forces of evil. Bishop Manning, in the largest and most wealthy diocese in the land, in the great "wet" city of New York, speaking in the greatest cathedral in this country, recently preached in support of Prohibition—spoke in its favor within a few days after Dr. Empringham had spoken against it through his "temperance" society. As one member of that great Church, the writer of this article prefers to follow the true teachings of Bishop Manning, rather than the false teachings of a clergyman who in his surrender to evil proves his ecclesiastical inefficiency.

There is nothing new in Dr. Empringham's "reasons" for

the restoration of the saloon and liquor through the medium of "light wines and beer."

And, to scotch one more untruth—reckless assertions that Prohibition was "put over by a minority" on a poor, helpless majority: A majority of the United States, in both area and population, was "dry" of its own volition and initiative before national Prohibition was adopted.

## THE RIGHT TO ENTER THE WORLD COURT TO BE TESTED BEFORE THE SUPREME COURT.

HON. BENJAMIN CATCHINGS of Washington has served notice on Secretary Kellogg that he will appear before the United States Supreme Court and ask for a rule to show cause why Secretary Kellogg "should not be restrained from consummating the adherence of the United States of America to the organic statute for the Permanent Court of International Justice."

According to a dispatch from the New York Times, Mr. Catchings' petition contains an elaborate argument designed to show that the Federal Constitution forbids American adherence to the World Court protocol. How far Mr. Catchings is prepared to carry this fight we do not know, but, as we recently have stated in the MANUFACTURERS RECORD, we are satisfied that the question of the right of the Senate and the President to make a treaty which seems to violate the Constitution itself would have to be fought out in the Supreme Court. We trust that the fight will be vigorously prosecuted by men of great ability, for if the Senate and the President can make a treaty which practically overrides the Constitution of the United States then the time has come to test that to the final end, and if the Senate and the President, according to the Supreme Court, can make such a treaty, then an amendment to the Constitution forbidding that it be made will be necessary, however long and bitter the fight to accomplish that.

## A WISE EXAMPLE FOR ALL.

GRAND EXALTED RULER WILLIAM H. ATWELL of the Order of Elks, who recently threatened to cancel the charter of any Elk club which violated the law of the land in the matter of Prohibition, has again acted, and this time he has cancelled for 60 days the charter of the Pawtucket (R. I.) Lodge of Elks, and in connection therewith has ordered a complete change of the club's officers, "due to the violation of the Volstead Act, which is one of the laws of our country."

The Associated Press dispatch reports Judge Atwell as saying that "out of 1500 Elks lodges in this country, only 15 had allowed a few careless members to lay their club open to charges of departure from the great principles for which the order stands, and that these lodges must suffer the consequences."

Every law-abiding citizen in America should extend his congratulations to Judge Atwell for the firm stand he has taken and for the wisdom of this action. May the time come when officials of all other supposed law-abiding organizations will follow his wise example!

## "SOUTH."

THE HOLLYWOOD MAGAZINE, published at Hollywood, Fla., but never intended in any way whatever to be local in its work, has wisely changed its name to SOUTH. One issue was published with the name Tropical America, but finding that that conflicted with the title of another magazine which had been announced to appear in March, J. W. Young and his editorial staff adopted the name of SOUTH.

# Foremost American Ceramists and Allied Interests Hold Great Convention and Exhibition South.

SPECIAL INSPECTION TRIPS TO IMPORTANT SOUTHERN CLAY-WORKING REGIONS REVEAL MAGNITUDE OF OPERATIONS AND RESOURCES AWAITING DEVELOPMENT.

By HOWARD L. CLARK.

Viewed from every angle, the first meeting of the American Ceramic Society, held at Atlanta the week of February 8, was an unqualified success. It served a twofold purpose in enabling leaders of the clay-working industry of the United States to learn at first hand about Georgia's and the South's vast clay resources and the possibilities of their development, and particularly in awakening the people of Georgia to the "acres of diamonds" found in the state's matchless raw materials for the development of a great ceramic industry at home.

Not only did the meeting in Atlanta mark a milestone of progress for the ceramists, but it opened a new era in the industrial development of the South, for it portends the expansion of Southern clay-working and allied lines which will create a Southern ceramic industry that will add millions of wealth to this section. It was conceded that the bringing of this representative body of over 500 of the foremost ceramists of the country to get first-hand knowledge of at least part of what the South can offer advantageously to the clay-working industry as a whole will give a new impetus to the ceramic industry in this country.

Features of the meeting, aside from the very instructive and enlightening technical papers presented on practically every phase of ceramics and addresses of general interest to the layman, were the exhibits of Southern raw materials; machinery, equipment and supplies for clay mining, its preparation and manufacture and the special inspection trips provided, considered as of equal importance to the meeting itself, which enabled those in attendance to visit at the close of the sessions some Southern clay fields and ceramic developments in this section of the country.

The convention was formally opened at the Atlanta Biltmore Hotel Monday afternoon with a genuine Georgia welcome. The visitors were extended the hospitality of Atlanta of Georgia and the South by Mayor Walter A. Sims of Atlanta; Dr. M. L. Brittain, president of the Georgia School of Technology, and W. T. Anderson, editor of the Macon Telegraph, who had the dual role of speaking as the representative of Governor Clifford Walker, who was unable to attend, and who in behalf of Macon invited the members of the Society to visit the clay belt of the Macon district.

Mayor Sims emphasized the fact that the meeting of the American Ceramic Society in Atlanta, its first meeting in the South, was of tremendous importance to Georgia and very significant in view of the coming future development of the Southern clay industry. Dr. Brittain stressed the magnitude of the clay resources of Georgia, which cover a 25-mile belt stretching from Augusta to Columbus and sufficient to supply a great industrial development in this section, while Mr. Anderson, touching on the resources of Georgia, said that Wilkinson county alone had clay deposits so extensive that they could supply the needs of the country for several hundred years.

The principal address of the opening meeting was by Dr. Charles H. Herty, president of the Synthetic Organic Chemical Manufacturers Association of New York. He forcibly outlined the great future ahead of the South, and particularly of Georgia, in the development of its clay resources and in the establishment of a ceramic industry. The greater part

of Dr. Herty's address was published in the MANUFACTURERS RECORD last week.

Following the general meeting Monday afternoon, two days were devoted to the reading and discussion of special papers, treating mainly on highly technical subjects, before the seven main divisions of the Society—art, enamels, glass, heavy clay products, refractories, terra cotta and whitewares. These divisions illustrate the variety and scope of the activity of the interests connected with the American Ceramic Society.

President L. A. Downs of the Central of Georgia Railway, in speaking at the annual banquet of the Society Wednesday evening, outlined a few of the reasons why Georgia cannot be ignored by the ceramists of the country. In this connection may it be stated that the Central of Georgia has done yeoman service in making known and available the possibilities of the Georgia clay belt under the initiate and guiding hand of that indefatigable worker, J. M. Mallory, general industrial agent of the line. President Downs said, in part:

"The reasons and hope for ceramic manufacture in this section do not depend upon clay alone. The other factors that insure success are here an abundant measure. These include an ample supply of labor at reasonable wage, low-priced fuel oil, hydro-electric power that is plentiful and inexpensive, and a large consuming population within a short radius that can be reached by adequate and cheap transportation, thus lowering distribution costs.

"It is, perhaps, not out of place for me to emphasize the advantages of ample and dependable transportation. The state of Georgia, for instance, has 7192 miles of railroad, about 3 per cent of the total of the country. Only eleven states have greater railroad mileage than Georgia. Forty-nine railroad companies operate in the state, ten ranking as Class 1 railroads. Of the Class 1 railroads, the Central of Georgia, with 1322 miles, has the largest mileage in the state.

"I want you to know something of the progress that this section is making, which is reflected in the increased business of the railroad that I represent. During the last ten years the revenue tonnage of the Central of Georgia has more than doubled. In 1925 it was 144 per cent more than in 1915.

"Twelve Southern states have 26 per cent of the population of the United States. They consume annually some \$12,000,000 worth of chinaware, \$5,000,000 in electric porcelain, \$5,000,000 worth of floor and wall tile and \$8,000,000 worth of sanitary ware. Think of the great market within easy reach of a Southern producing center, and then think further of the opportunities for export through Southern ports to Central and South America!

"The great steel companies of New England, the textile mills and the cement corporations have recognized these economic advantages and have profited thereby. The ceramic industry, I am confident, will not lag behind."

The speaker told of the development departments maintained by the Central of Georgia for encouraging the development of natural resources, both agricultural and industrial. He said that a survey by geologists developed the fact that of 52 known commercial minerals, 44 are found along the lines of the Central. He asserted that research in connection with natural developments should be conducted along



scientific lines, and that it was scarcely possible to overestimate the value of research to industry.

At the close of the banquet announcement was made of the election of the following officers of the Society for the ensuing year:

President, R. L. Clare, Federal Terra Cotta Co., Woodbridge, N. J.; vice-president, B. Mifflin Hood, B. Mifflin Hood Brick Co., Atlanta; treasurer, Dr. H. B. Henderson of the Standard Pyrometric Cone Co., Columbus, Ohio, and Ross C. Purdy, Columbus, Ohio, was re-elected secretary.

Of course, the divisional meetings were primarily the object of a gathering of this character, but the added feature of displays of materials, products, machinery, equipment and supplies, which at the Atlanta convention were more comprehensive than in the past—and particularly, viewed in the light of the interest now aroused in Southern clays—were those exhibits of raw materials and finished products from the clay sections of the South.

An exhibit which attracted particular interest was that of Wilkinson county, Georgia, sponsored by the Industrial Department of the Central of Georgia Railway. There were displayed a great variety of clays and clay products. Refractory clays, said to be of exceptional quality, were shown from the property of Dr. R. E. Evans and W. A. Detrich at Gordon, on the line of the Central of Georgia. The Savannah Kaolin Co., operating two washing plants at Gordon, had pulverized clay, wash clays, paper fillers and refined clays for coating paper, as well as for the manufacture of floor tile. The Edgar Brothers Co., McIntyre, displayed pulverized, washed and refined kaolin used in the paper and pottery trade. A feature of the exhibit was a map giving the distribution of clay deposits of Wilkinson county, showing the relationship of the deposits to drainage and transportation. The Georgia White Brick Company of Gordon, which recently completed a plant for the manufacture of buff and white enamel face brick, had its brick on display. There was also shown floor and wall tile made from Wilkinson county clay and silicas, and Southern feldspar. Refined clays of the Akron Chemical Co., McIntyre, which are used in the manufacture of rubber, were shown, together with a number of exhibits of raw clays from a number of properties in the county and the Macon district.

The Macon exhibit illustrates the need of the South in developing the manufacture of products, using its raw clays and the opportunities which this section offers for the establishment of a ceramic industry. There were shown wall-paper, newspaper and magazine paper and oilcloth manufactured outside of the South but using Georgia clay as a filler. Beautiful art ware and dinner sets made from Georgia clays were shown. In connection with this exhibit J. M. Cutler, general agent of Macon for the Southern Railway, arranged for the display of samples of kaolin, limestone, fuller's earth, glass and building sands, cement rock, furnished by Mrs. Minter Wimberly, Adams Park, (Macon); H. C. and T. J. Stewart, Reids, Ga.; N. W. H. Gilbert, Elks, Ga.; E. B. Weathly, Ainslie, Ga.; Hinson Sand Mines, Vaughn Sand Co., Lumber City and Concrete Co., Lumber City, Ga., all located on the Southern Railway.

Of special interest was the display of the Georgia School of Technology, which has been enabled to establish a ceramic department housed in a modern building, and said to be the most modern equipped and most complete for its size in the country. This school illustrates the interest the South is taking in the development of a ceramic industry, and is a monument to the initiative and energy of those responsible for its establishment.

The Clinchfield Railroad and industries along its line had the most comprehensive exhibit. It ranged from the necessary transportation facilities, fuel, power, building mate-

rials, kaolin and feldspar to the finished manufactured products of the clay industry. There was coal displayed from the Clinchfield Coal Corporation, building brick and hollow tile from the Kingsport Brick Corporation, Kingsport, Tenn.; cement from the Clinchfield Portland Cement Corporation, Kingsport; clays and feldspar from Golding Sons Co., Erwin; feldspar from the Erwin Feldspar Corporation, Erwin, which furnishes approximately 50 per cent of the feldspar produced in the United States, and porcelain whiteware dinner sets from the Southern Potteries, Inc., of Erwin, which was the first whiteware plant established in the South.

Kentucky was represented by the Cooley Clay Co., Hickory, Ky., displaying ball clays and sagger clays. Another Kentucky exhibit was that of the Cooley Ball & Sagger Clay Co. of Hazel.

Bauxite fire-clay and manufactured brick of this material were shown by the Southern Refractories Co., Fort Payne, Ala., and the Ladd Bauxite & Brick Co.

The Georgia Railway & Power Co. displayed a large landscape picture showing the water-power developments of this company, embracing those of the Tugalo Dam, Rabun Dam, Terrora development. Tallulah Power-House, New Yonah Dam and Burton Dam. It is proposed to use the waters of the Tallulah and Tugalo rivers six times in the generation of electricity before they are finally released. The total operating capacity of the development is 178,000 kilowatts, giving an average annual output of 531,000,000 kilowatt hours.

An interesting exhibit of Southern-made clay equipment was that of tunnel kilns made by the Russell Engineering Co. of St. Louis.

Among the exhibitors of machinery, equipment and supplies relating to the clay industry were the following:

Commercial Shearing & Stamping Co., Youngstown, Ohio, clay-working equipment.

Hobart Manufacturing Co., Troy, Ohio, plaster-mixing machinery.

Brown Instrument Co., Pyrometers, Philadelphia, Pa.

Crossley Machine Co., Trenton, N. J., refining and pulverizing clay machinery.

W. W. Stanley Co., New York, press cloths.

American Rolling Mills, Youngstown, Ohio, Armco ingot iron products.

Roessler & Hasslacher Chemical Co., New York, ceramic decorating materials.

Newark Wire Cloth Co., Newark, N. J., clay-screening wire.

Thwing Instrument Co., Philadelphia, temperature-recording instruments.

Charles Englehard, Inc., pyrometers and thermo-electric pyrometers.

Bristol Co., Waterbury, Conn., recording instruments, pressure gauges, thermometers and automatic temperature controls.

Schofield-Burkett Construction Co., Macon, Ga., cable drag lines.

O. Hommel Co., Pittsburgh, ceramic materials, vitreous colors.

Leeds and Northup Co., potentiometers, pyrometers, Philadelphia, Pa.

McLeod Company, Cincinnati, dust-collecting systems, oil burners and paint spraying equipment.

A. H. Sullivan Co., St. Louis, St. Peter's Sandstone in quartz form.

United States Bureau of Mines.

United States Bureau of Standards.

Genessee Feldspar Co., Rochester, N. Y., Canadian feldspar.

Carrier Engineering Corporation, Newark, N. J., air-conditioning systems.

Multi Metal Co., New York, wire cloth.



# Visit of Ceramists to Southern Clay Fields Reveals Magnitude of South's Clay Resources and Possibilities of Development.

By HOWARD L. CLARK.

Macon, Ga., February 15.

At the close of the American Ceramic Society's annual meeting held in Atlanta over 200 members made an inspection trip to Wilkinson and Twiggs counties, in George's clay belt. In addition, one party of visitors inspected the clay development at Cartersville, Ga., and another party, headed by V. V. Kelsey, president of the Erwin Feldspar Co., continued on to the North Carolina clay deposits at Spruce Pine, owned by Golding Sons Co., and the feldspar industrial development at Erwin, Tenn.

Without question, these visits of the members of the American Ceramic Society to the South will rank in importance with those trips taken some thirty years ago by leading New England cotton manufacturers and later on by iron and steel representatives, which resulted in the great expansion of industry in the South.

Leaders in the ceramic industry predict a great development in the South, and some have stated that in Wilkinson county alone at least \$5,000,000 will be invested in the clay industry within a few years.

In a personal interview R. L. Clare, the newly elected president of the American Ceramic Society, when asked what was his opinion of the possibilities for the development of Wilkinson county clay fields, said:

"The possibilities for development are remarkable. I think this trip will be one of the biggest things ever happened to Georgia. The plants now established will attract other plants and the business men on this trip will get ideas which could not otherwise be obtained."

Next the writer asked one of the foremost ceramists of the country, and perhaps the foremost technologist in clay research, A. V. Bleininger, formerly head of the Ceramics Departments of Illinois and Ohio State universities, and now head of the Research Department of the Homer-Laughlin China Company, Newells, W. Va., what he thought of the possibilities for development.

"In the clay belt of Georgia is found the largest clay deposits in the world," said Mr. Bleininger. "The very immensity of these deposits make them of remarkable value from a commercial standpoint, and there is a very bright future ahead for the development of the clay industry in this section." However, Mr. Bleininger qualified this very strong assertion somewhat by stating that no one knows absolutely what may be found throughout the belt until future tests have been made, though the clays which are now being utilized in a comparatively small commercial way indicate something of the possibilities through further investigation and research.

"Kaolin is a pure clay, free from iron oxides. These clays which I have seen today are particularly desirable because, they are also high in alumina. There is a possible future development in which these clays may supply the bauxite for the making of aluminum and for making alum. Georgia clays are used now principally for refractories, which stand high temperatures, such as that required in the iron, steel and metallurgical furnaces, for modern superpower station equipment to meet high temperatures, which means, of course, a broadening field using a large quantity of such refractories. Furthermore, the tendency of modern industry is to employ

higher temperatures because of their greater efficiency, which is increasing the demand for refractory products and which also necessitates higher temperature-resisting and better products, and the South is in a position to supply them.

"Another thing in favor of Georgia clays is that older clayworking regions of the country are exhausting their supplies rapidly, but the danger which confronted this country in not being able to furnish its own clay is practically nil, because we now have in this one Southern state enough to supply our needs for a long period."

Mr. Bleininger further emphasized that though much has been done in the development of the clay industry in this country through research, there is being opened up new and unknown uses for clay in the manufacture of many products; for instance, there is a wide field just being explored by the researcher in the use of clay in chemical manufacturing, particularly as catalyzers in the making of gases, which is expected will be of startling importance.

Dr. R. T. Stull, who perhaps is more familiar with the Georgia clay belt than anyone else, stated that in Wilkinson county bauxite is found associated with kaolin. The beds occur as lenses embodied in larger lenses of kaolin. The kaolin is composed of alumina, silica and combined water, with small amounts of iron oxide, soda, potash, lime and magnesia as impurities.

"The Republic Mining & Manufacturing Co. of Philadelphia is mining high-grade bauxite at a number of places in the vicinity of Irwinton and Wriley, Wilkinson county, Georgia. The ore is now dried and shipped to its Northern plants.

"The Kalbfleisch Corporation has also mined considerable quantities of bauxite, the ore being shipped to its plants at Chattanooga and elsewhere and used mostly for the production of alum.

"The construction of a modern plant to manufacture such products as aluminum chemicals and abrasives involves the expenditure of an enormous amount of capital and the processes require large quantities of cheap electric power. Conditions are not so favorable for the immediate location of such an enterprise in this section, but hold potentialities for the future.

"Fuller's earth is a very fine grain clay-like substance and composed principally of minute siliceous remains of diatomaceous clay and fine silica, with lime and other minerals of lesser amounts. There are enormous beds of fuller's earth in Wilkinson county, some of them over forty feet in depth. No commercial development has been undertaken as yet, although a number of samples have been tested and prove to be equal to the best domestic and foreign products. Before development can take place, and as an inducement to the industry, a thorough survey or prospecting should be undertaken and large tests made to determine the quality of the earth. The present uses are limited. Physical properties are such that it should have a much broader application in the arts, and likely this will be brought about by careful research. New products will be discovered, which will be the basis of new industries. When that time comes Wilkinson county will be an attractive location because of its enormous beds of fuller's earth well located as to drainage, disposal of overburden and nearness to the railroads."

The views thus expressed but reflect the general opinion

of practically everyone at all familiar with the Georgia clay belt and its resources.

No mention of this visit of the leading ceramists of the country to the South would be complete without something being said of the royal entertainment given the visitors by the people of Atlanta, Macon and Wilkinson county. Never in their experience had they received such a welcome and been so continuously entertained, beginning with their stay in Atlanta to their arrival in Macon, where their special train of six cars was greeted by a brass band and later the visitors were given a sumptuous banquet by the Macon Chamber of Commerce in the city's new million-dollar auditorium. At Gordon, Ga., the people of Wilkinson county gave them an old-time Georgia barbecue with all the trimmings. At every point there was also provided special entertainments for the ladies of the party.

As a vast majority of the visitors had never been South before, they were kept in a constant state of wonder at the extent of Southern hospitality, and the treatment they received made a deep impression. From this contact will come a better understanding which will result in immeasurable benefit, whether a dollar be invested as a result of the trip or not.

Among those making the trip to Wilkinson county were: A. V. Bleininger, technologist, Homer-Laughlin China Co., Newell, W. Va.; L. E. Barringer, General Electric Co., Schenectady, N. Y.; G. A. Bole, supervising ceramist, United States Bureau of Mines; Ross C. Purdy, secretary, American Ceramic Society, Columbus, Ohio; R. L. Clare, Federal Terra Cotta Co., Woodbridge, N. J., and president of the American Ceramic Society; Prof. C. W. Parmelee, head of Ceramics Department, University of Illinois; A. S. Watts, head of Ceramics Department, Ohio State University; Dr. M. L. Brittain, president, Georgia School of Technology; Dr. E. Ward Tillotson, Jr., former president, American Ceramic Society; Hon. Frank West, president of the Ceramic Society of England; Frederick Reed, past vice-president, American Ceramic Society; Leroy Minton, president, General Ceramics Co., Metuchen, N. J.; E. T. Montgomery, Montgomery Porcelain Co., Franklin, Ohio; M. F. Cunningham, Waltham Grinding Wheel Co., Waltham, Mass.; Frank Riddle, Champion Porcelain Co., Detroit; R. R. Danielson; John D. Martin, New Straitsville (Ohio) Clay Products Co.; W. D. Richardson, consulting engineer, Columbus, Ohio; T. Poole Maynard, consulting engineer, Atlanta, Ga.; J. Spotts McDowell, Harbison-Walker Refractories Co., Pittsburgh; Dr. S. W. McCallie, State Geologist of Georgia, Atlanta; Dr. R. T. Stull, Georgia White Brick Co., Gordon, Ga.; B. Mifflin Hood, B. Mifflin Hood Brick Co., Atlanta; George Simcoe; Howells Frechette, Mines Branch, Canadian Government; H. S. Spence, and V. V. Kelsey, president, Erwin Feldspar Co., Erwin, Tenn.

Among the plants visited were the Acme Pigment Company's mine and refinery and the Edgar Bros. Company's mine and refining plant, both of McIntyre, Ga.; the bauxite plant of the Republic Mining Co. at Wriley, the Georgia White Brick Co.'s plant and kaolin mine at Gordon, the Savannah Kaolin Co.'s mine and refining plant, and the Gordon Kaolin Co.'s mine and refining plant.

Not connected with the clay industry, but of general interest, the visitors also inspected the Pynetree Paper Company's plant at Gordon, where paper and pulp is manufactured from pine wood.

The last day of the trip was spent in visiting the clay mines and plant of the Georgia Kaolin Company and the American Clay Company at Dry Branch, Ga., and the following clay plants in Macon: Cherokee Brick Co., Bibb Brick Co. and the Macon Sewer Pipe Company. After this inspection trip the visitors were tendered a farewell luncheon at the Idle Hour County Club as guests of the Macon Chamber of Commerce.

## "Would American Adherence to the World Court in Fact, Constitute a Change in Our Form of Government?"

Washington, D. C., January 30.

*Editor Manufacturers Record:*

Some one has sent me a reprint of an article in your issue of January 21 on "What the World Court Would Mean in the Destruction of American Sovereignty."

I considered that aspect of the situation in preparing my speeches of January 9 and January 27, which I delivered in the Senate against the resolution which provided for our signature of the protocol of the statute creating this Court. The judicial power of the United States is vested under the Constitution in the Supreme Court and in such inferior courts as the Congress may from time to time ordain and establish. If the jurisdiction of this League Court contemplated any jurisdiction which belongs under the Constitution to the courts created by and established under the Constitution, then, to be sure, the act of the Senate would be unconstitutional. The United States could not by treaty transfer to an international Prize Court such part of its judicial power as would be represented by the establishment of appeals from the United States district courts sitting in prize cases, because the international Prize Court is a tribunal not known to our Constitution.

The treaty-making power is limited by all the provisions of the Constitution, which inhibits certain acts from being done by the Government. It is also limited by such provisions of the Constitution as direct certain acts to be done in a particular way, and prohibit the contrary. Calhoun said that we can enter into no stipulation calculated to change the character of the Government, or to do that which can only be done by the Constitution making power or changes inconsistent with the nature and structure of the Government. Senator Isador Rayner declared the treaty-making power must be construed with all the other provisions contained in the Constitution, and if the treaty comes in conflict with any of the limitations of the instrument the treaty must yield and the Constitution must prevail. I agree entirely with the school who so interpret the treaty-making power. There is another school in this country, however, which is probably headed by Mr. Justice Sutherland, who hold that complete powers of the Governments of other nations must be matched by the complete powers of our own Government, and that this applies to the treaty-making power. I regard that position as extremely dangerous and revolutionary. The courts of our country are designed to entertain questions arising under the Constitution and laws of the country, and I think we would agree this does not embrace international questions.

We quite agree on the limitations of the treaty-making powers.

You ask the question: Would American adherence to the so-called World Court in fact constitute a change in our form of Government? I am deeply interested in the answer to that question. You will pardon me, but I think the question does not answer itself as you say. I think we do not agree in advance to accept the decisions of this tribunal as you suggest.

I voted against the resolution of signature because I was persuaded the protocol was nothing but our acceptance of a piece of League legislation which was adopted by the League in pursuance of, and in conformity with, the provisions of Article 14, Part 1, of the Treaty of Versailles, which we had declined to ratify. They were asking us for the bread of peace and we were giving them the bloody stone of international strife.

I invite a discussion with you on this subject wherein our conclusions so well agree.

GEORGE H. WILLIAMS.



# A Farming Program for Alabama Equally Applicable to All Other Cotton States.

ALABAMA FARMERS, BANKERS, MERCHANTS AND AGRICULTURAL LEADERS HAVE WORKED OUT A PERMANENT PROGRAM AND BANDED THEMSELVES TOGETHER TO PUT IT OVER.

By P. O. DAVIS, Auburn, Ala.

Alabama, together with all other states of the South, realizes the dangers of too much cotton. If the 1926 crop should be as large as that of 1925, there is every reason to believe that prices will be much lower, and that disappointment and unpaid debts will be the principal returns for cotton growers this year.

But Alabama is tackling the problem from a different angle, bringing into play a bit of psychology which is calculated to be effective. Instead of making a flat cotton acreage reduction recommendation, the agricultural leaders of this state are stressing a safe farming plan which includes feed crops, livestock and cotton in proper proportions, and in proper relations to each other.

The opinion of the Alabama leaders is that the most effective way to reduce the cotton acreage is not by making a flat reduction recommendation, but to stress other crops in a safe farming system, and thereby take cotton out of the spotlight by focusing attention on feed crops and livestock.

It is a well known fact that in the past acreage recommendations have never come up to the goal set by the leaders, based upon the facts existing at the time as presented by a statistical analysis. It is a matter of record that entirely too many cotton growers reason secretly with themselves during these reduction movements about as follows: "Since other growers will likely reduce their acreage, we should get a higher price for cotton next fall and, consequently, it is a good time for me to raise cotton." Of course, this is not true of all growers, but it certainly has been true of a large number.

Realizing all these things, the officials of the extension service and the experiment station of the Agricultural College at Auburn, the commissioner of agriculture, officials of the Alabama Bankers' Association and also officials of the Alabama farm bureau, representing approximately 25,000 of the most progressive farmers of the state, met, talked the situation over thoroughly from every angle, reviewed the past and decided that the big agricultural need in Alabama is not so much a reduction in the acreage of cotton as a permanent, safe farming system which calls for: (1) Enough feed crops for the family and for the livestock on the farm; (2) enough livestock, especially hogs, dairy cattle and poultry, to balance the farming operations and at least meet local demands for these products; (3) as many acres in cotton as can be fertilized and handled properly under present boll weevil conditions and scarcity of labor.

The first section of the Alabama program as adopted by these officials and leaders reads as follows:

"We recommend the following general policies for the permanent guidance of those farmers who desire to make their plan of operation conform to existing conditions:

"1. Such a distribution of crop acreage on each farm as will result in:

"(a) The production of sufficient feed to supply all livestock kept on the farm.

"(b) The production of such amounts and kinds of food and feed as may be economically grown.

"(c) The production of such amounts and kinds of food and feed commodities for sale as may be economically grown and marketed.

"(d) Planting only as many acres in cotton as can be fer-

tilized and handled properly under present boll weevil conditions and scarcity of labor.

"(e) The development and maintenance of soil fertility to such a degree as will result in profitable acre-yields.

"(f) The elimination of costly labor peaks, and an economic distribution of labor over the entire season."

All these recommendations are self-explanatory and little discussion is necessary; although an analysis of the recommendation on cotton is in order. This little 23-word recommendation covers very effectively a big subject.

In the first place, if generally followed, it will result in keeping cotton to its proper place on the farms of the South. In the second place, it will bring maximum profits for the crop, because it calls for high yields, which can be made by heavy applications of fertilizer of the right kind, good seed of the high-yielding varieties, thorough preparation of the seed bed, frequent and shallow cultivation, and artificial boll weevil control if necessary. In the third place, it will take a lot of the gamble and hazard out of cotton by making it a surplus cash crop.

The remainder of the Alabama program follows:

"2. Such increased use of machinery and work stock as will enable available farm labor to compete with other sections in the production of crops and to meet varying prices in relation to demand.

"3. The growth on the farm of all livestock needed for farm use, and surplus of livestock and livestock products for sale as may be economically produced and marketed.

"4. The recognition and practice of the principle of quality production, in order to find the most profitable consumption.

"5. The recognition and practice of the principle of co-operative buying and selling of purely farm commodities and of orderly marketing.

"6. The use of the least expensive systems of farm credit available, that agriculture may enjoy equal benefits with industry and commerce in economic credits.

"7. The setting up and future maintenance of permanent farming systems on each farm, in order to meet price fluctuations and stabilize production.

"8. Hearty co-operation with all official agencies in the dissemination of dependable information concerning farm practices and production.

"We demand for agriculture equality in legislation, in taxation, in transportation facilities, in education and in such standards of living as will make the farm and farm home attractive to the farmer and his family.

"We ask the hearty co-operation of all persons in business and social contact with the farmer in establishing this permanent program in every county in this state.

"We present this program in the belief that it will enable the farmer to work out his own success by the exercise of intelligence, independent thought and thrifty conduct of his own affairs."

The bankers in each county, the county agents, the business men and farmers, particularly officials of the county farm bureaus, have formed themselves into a quiet, but effective, working organization to put the proposition over with the farmers. These bankers and merchants and the county agent come in direct contact with farmers every day, and by having an understanding among themselves they are doing a work of major importance in the interest of the farmer and his business. The chief object is not merely a reduction in cotton acreage for one season, but the adoption of a permanent, safe farming system.



## \$7,000,000 Power Project Completed in Kentucky.

DIX RIVER DAM, THE HEIGHT OF 22-STORY OFFICE BUILDING AND OVER 1000 FEET LONG—TUNNEL, 24 FEET IN DIAMETER, USED TO DIVERT RIVER WATER WHILE CONSTRUCTION PROCEEDED—1,800,000 CUBIC YARDS ROCK HANDLED—ANNUAL CAPACITY 77,000,000 KILOWATT-HOURS CONTRACTED FOR.

By DEMPSTER MACMURPHY.

The newly completed Dix River dam and hydro-electric generating station of the Kentucky Hydro-Electric Company near Lexington has attracted wide attention because of the industrial importance of the development and also on account of the technical features of the construction operations.

On a site explored by Daniel Boone in the first decade of the Republic's existence, and noted by the hardy frontiersman as one of the several "excellent mill seats" which will have plenty of water in the dryest seasons," engineers have cofferdammed a working space in the Dix River bed,



EXCAVATION OF SPILLWAY CUT.

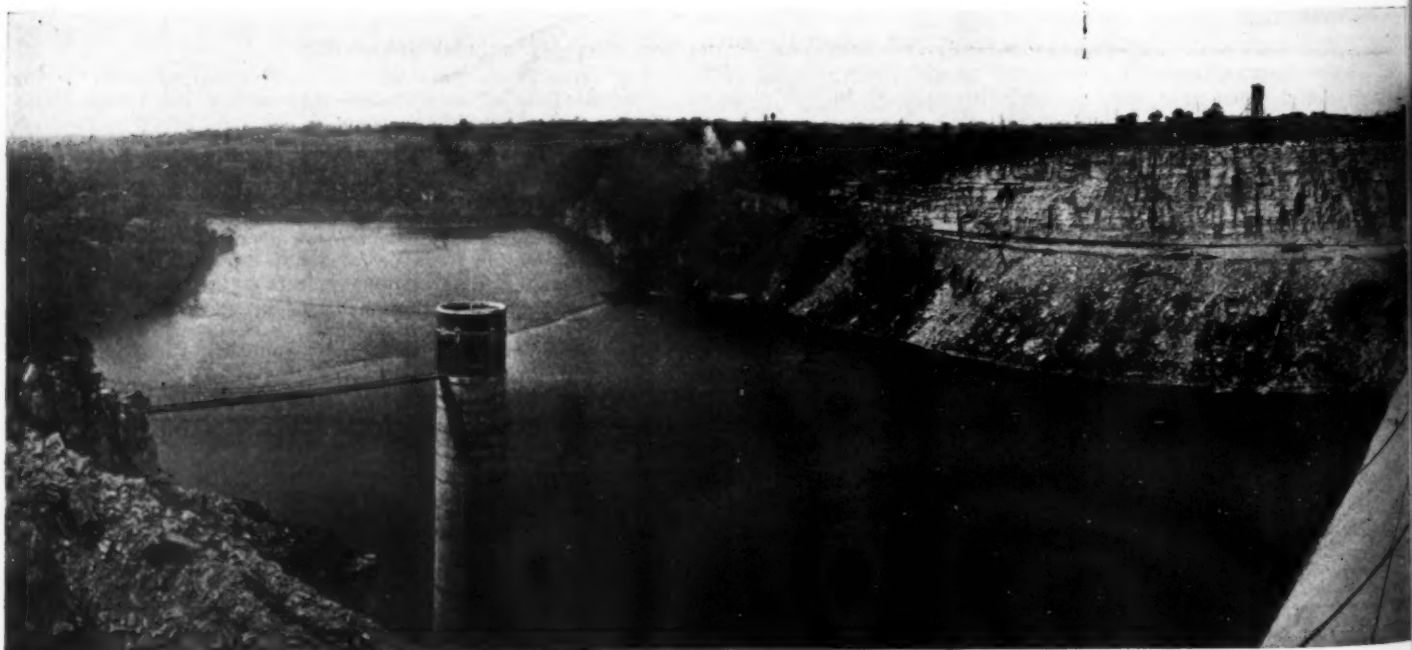
diverted the flow of the stream through a tunnel into the high bordering cliffs and out again beyond the working site, and there flung from bank to bank of the river a massive rock structure more than a thousand feet long and as high

as a 22-story office building. It is the highest and largest rock-filled dam in the world.

Actual operation of the station began on November 23, 1925, and the huge plant functioned perfectly from the outset, demonstrating its capacity to fill an annual quota of 77,000,000 kilowatt-hours and to carry a load of 20,000 kilowatts, all of which has been contracted for.

During the two-year construction period a thousand men, housed in a temporary but complete miniature city, worked day and night. Nine years of planning, measurement and testing were carried on before construction operations began. But the real beginning of the Dix River dam goes back to 1909, when a young man in his late twenties, who operated the electric light plant at Richmond, Ky., saw in the fast currents of the Dix River a potential source of hydro-electric power. His vision and his untiring work to interest others in his idea are now commemorated not only by the completed project, but more specifically in the 36-mile lake formed by the inundation of surrounding land by the interrupted waters of the Dix Herrington Lake, named for L. P. Herrington, now vice-president of the Kentucky Hydro-Electric Co.

Sixteen years ago, aided by G. T. Bogard, now chief engineer of the Kentucky Utilities Co., Mr. Herrington explored the Dix River and its contributing streams, covering hundreds of miles, afoot, on horseback and in canoe. Deciding finally on the site where the dam now stands, the two pioneers faced the problem of enlisting interested capital in their vision. Seven million dollars, as the final figures show, had to be raised. Herrington's first step, after three years of careful study and research, was the organization of the Dix River Power Co., in which he had associated with him Harvey Chenault of Richmond, Ky.; Harry Reid, now presi-



THE COMPLETED DIX RIVER DAM, OVER 1000 FEET IN LENGTH. AT LEFT



SHOWING METHOD OF PLACING HAND-PACKED ROCK.

dent of the Kentucky Utilities Co. and the Interstate Public Service Co.; G. T. Bogard, J. H. Dean and J. J. Greenleaf of Richmond, Ky.; G. A. McRoberts, J. S. Van Winkle and L. P. Yandell of Danville, Ky.; J. Q. Ward and Sidney G. Clay of Paris, Ky.; C. P. Kennedy of Burgin, Ky.; R. L. McDonald of Niagara Falls, N. Y.; S. W. Forgy of Elkton, Ky., and Hite H. Huffaker of Louisville. Then the interest of two of the foremost public-utility men in the country was enlisted—Samuel Insull and Martin J. Insull, respectively chairman of the board and president of the Middle West Utilities Co. Formation of the Kentucky Hydro-Electric Co. out of the Old Dix River Power Co. followed, and with the backing of the Middle West Utilities Co., in capital and

credit, and in administrative, financing and engineering experience, the Dix River Dam project got under way.

The company immediately purchased the hundreds of acres of farm land which were to be submerged by the formation of the lake. Included in this area were two miles of state highway, two bridges and a water-works plant, all of which were replaced on new sites by the company. In the fall of 1923 actual construction began with the boring of a tunnel, 915 feet long and 24 feet in diameter, through the cliff on one side of the river, leading the water 100 feet into the cliff to skirt the site of the dam and emerge farther downstream. Besides diverting the flow of the river during construction, this tunnel serves as a permanent part of the



THE INTAKE TOWER. POWER-HOUSE MAY BE SEEN AT LOWER RIGHT.





CONSTRUCTION OF TUNNEL.

operating plant, leading the water from the lake into three penstocks and thence to the three turbines in the powerhouse which generate electric power.

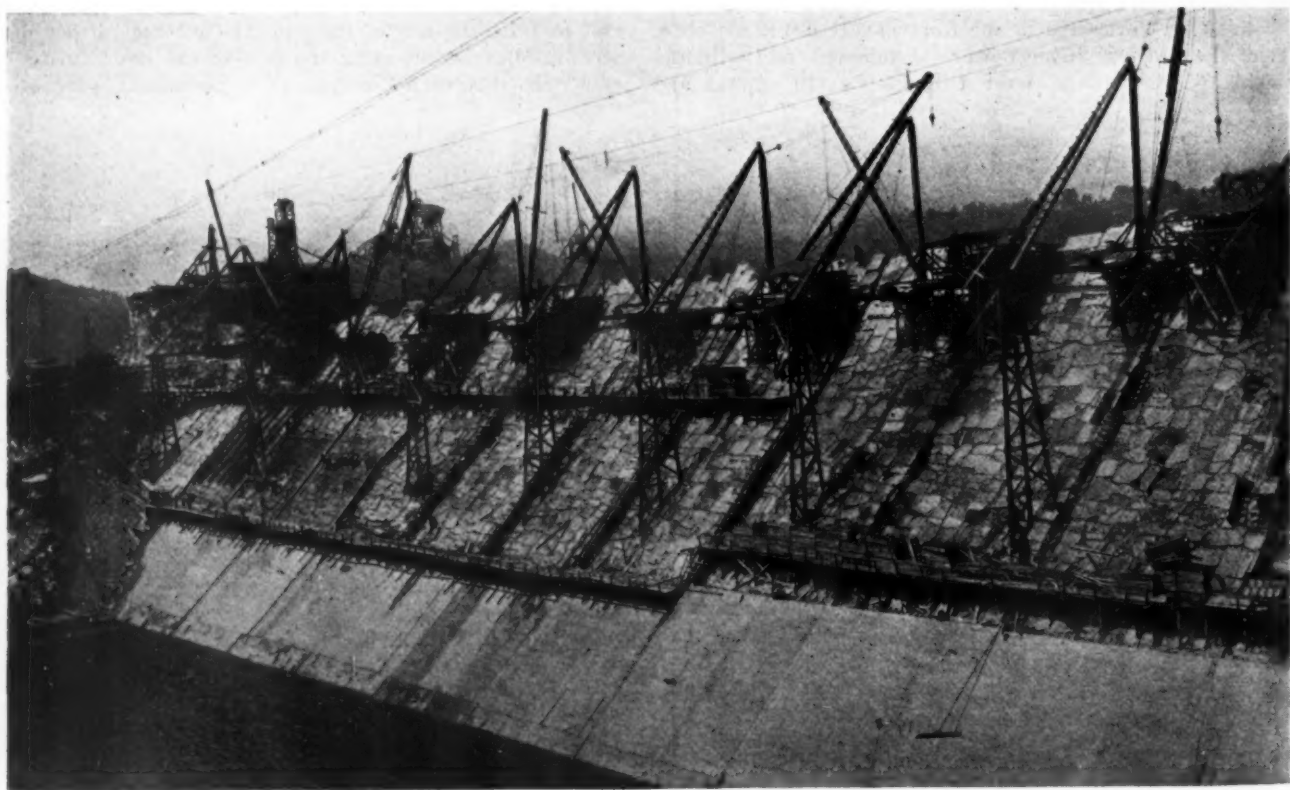
With the dry river bed thus made available by the tunnel and by cofferdams, the construction program turned to the

work of scraping the river bed down to bedrock. This completed, the work swung into the major construction feature of the project—blasting, loading, hauling and dumping 1,800,000 cubic yards of rock, varying in size from the equivalent of a coffee pot to that of a roll-top desk, into the river bed to form the dam. Except for a few blasts of neighboring cliffs, which caused a portion of the required rock to fall directly into position, the rock-fill involved excavations from the spillway cut and hauling over a specially constructed railway on rolling stock comprised of nine locomotives and sixty cars. To the extent that space permitted, the dumping was from a semicircular track built on the "fill" and enlarged as the fill was extended. As the height of the fill increased and the width correspondingly diminished, trestles were built across the river at successively increased heights, from which to dump the rock.

This rock, let fall as it might and water-soaked to hasten and secure its settling, formed the nucleus and by far the greatest volume of the dam structure. It furnished the required weight and a foundation for a course of derrick-laid dry rubble wall made up of selected rocks, varying in weight from one to eight tons, laid true to line, with all voids tightly filled, by skilled Italian masons. At 48-foot intervals three-foot grooves were left in the wall and filled with concrete, forming the vertical concrete ribs under the expansion joints. Similar 30-inch grooves were spaced horizontally at intervals of 50 feet. Over this surface was laid a reinforced concrete apron.

At the opening of the tunnel an intake tower, 260 feet high and 22 feet in diameter, has been constructed, and within it, about sixty feet above the base, a valve controls the flow of the water into the tunnel. In its operating capacity the tunnel leads the water into three penstock tubes, 150 feet from the downstream end, which in turn conduct the water to the three hydro-electric turbine units in the powerhouse, whose combined capacity is 33,000 horsepower. Their electric power is generated at 13,000 volts and is stepped up to transmission line voltage at an outdoor sub-station.

The project was carried out from plans and specifications



FACE OF DAM DURING CONSTRUCTION.



prepared by L. F. Harza, consulting engineer, Chicago, whose principal assistants are F. A. Dale and Eric Floor. George W. Howson was resident engineer in charge and remains as operating chief. G. T. Bogard, chief engineer for the Kentucky Hydro-Electric Co., designed and built the transmission lines. George W. Hamilton is vice-president of the Middle West Utilities Co. in charge of engineering, and Arthur P. Davis and M. M. O'Shaughnessy were consulting engineers on the design of the dam. The L. E. Meyers Co. of Chicago was the general contractor on the power development. C. E. Collins is vice-president and general manager of the L. E. Meyers Co. and L. A. Nelson is superintendent. The John F. Lusk Co. sub-contracted the driving of the tunnel and D. D. De Luca the laying of the face wall. The generators were furnished by the Allis-Chalmers Manufacturing Co., Milwaukee, Wis., and the turbines by the William Cramp & Sons Ship & Engine Building Co., Philadelphia, Pa.

The Dix River station is an important connecting link in the rapidly growing interconnected system of the properties of the Middle West Utilities Co. Lines are now in service from the coal fields of Virginia and eastern Kentucky through central Kentucky and northwestward to Louisville. Interconnection is made at Louisville with lines of other subsidiaries extending northward into Indiana and Illinois. Energy from the Dix River station will be distributed over the company's 66,000-volt transmission lines that are now in operation from Dix Dam to Pineville, Louisville and Lexington. Lines operating at 33,000 volts will carry power from the dam to the neighboring cities of Nicholasville, Lancaster and Danville. Load dispatching for the entire system, which also includes steam stations at Pineville and Varrilla, Ky., and Pocket and Dorchester, Va., will be handled from the Dix dam station. Full utilization of the stream flow of the Dix is made possible through this connection with these various centers of generation on the large interconnected system operated in this section of the Ohio River territory.

### Jacksonville Apartment to Cost \$800,000.

Jacksonville, Fla.—A contract has been awarded by the Times Corporation of this city, Francis S. Mason, president, and Major G. Heber Weller, secretary and treasurer, to the Realty Construction Co., with offices in Jacksonville, Miami and Atlanta, for the erection of a co-operative apartment building here to cost approximately \$800,000. The structure will be located on the waterfront at the foot of Margaret street and will be known as the Park Lane Apartments. It will be 14 stories high, fireproof, of steel construction and of a modified type of Spanish architecture. Roy A. Benjamin of Jacksonville is the architect.

### Plans for \$1,500,000 Hotel.

Tampa, Fla.—Plans are being prepared by Dwight James Baum, Riverdale-on-Hudson, N. Y., for a 16-story hotel to be erected here by the Temple Terrace Estates at a cost of approximately \$1,500,000, including furnishings and equipment. The structure will be 120 by 105 feet, of steel frame, fireproof, hollow tile slab floor construction, with concrete pile foundations, marble, tile and wood floors and composition roof.

### \$350,000 Farmers' Market for Houston.

Houston, Texas.—Tentative plans for a farmers' market here to cost \$350,000 have been submitted to Mayor O. F. Holcombe by J. C. McVea, city engineer. The market will be erected at Smith street and Prairie avenue. A definite design for the structure will be selected by the city council, after which plans and specifications will be prepared by the engineering department.

### Georgia Banker Offers \$1000 Cash for Best Yield of Corn on Five-Acre Patch.

The Agricultural Committee of the Georgia Bankers Association, C. O. Carpenter, chairman; H. M. Cottrell, agriculturist, has sent out posters to every bank in Georgia, as well as to 886 retail hardware men and 280 fertilizer firms, announcing a cash prize of \$1000 to be awarded for the highest yield of corn raised on five acres in that state during 1926. This prize is offered by H. Lane Young, executive manager of the Atlanta office of the Citizens and Southern Bank, and through the committee. The prize is to be given "provided that banks in not less than 75 counties offer small prizes in contests for five-acre high yields of corn in their respective counties. The five acres of each contestant must be in one patch." It is further stated that the \$1000 will not be given for a high yield that has cost more than the market price of the corn, and the corn must be dry enough to be fit for shipping, according to the regulations of the United States Department of Agriculture.

President Andrew M. Soule, Georgia State College of Agriculture, says in Bulletin 305 that in 1924 it cost \$12.65 to produce a yield of 12 bushels of corn an acre and \$15.85 to produce a yield of 30 bushels. According to these figures it cost \$1.05 a bushel to produce corn when the yield was 12 bushels an acre and 53 cents a bushel when the yield was 30 bushels an acre.

Presentation of these results is followed by the appeal. "Let's make the average yield for the state 30 bushels an acre or more and cut the cost one-half.

I. W. Duggan, county agent, Turner county, proposes a plan for his county in which there are five banks. He asks each bank to give \$25 for the corn contest, and he will divide the county into five districts, in each of which \$15 will be given to the farmer who raises the highest yield of corn on five acres. This will leave \$50 of the money subscribed, and that will be given to that one of the five district winners who has raised the largest amount of corn as described, and he can also compete for the \$1000 prize.

The co-operation of all business organizations in the state is sought to promote the corn contest.

Mr. Cottrell also puts out a suggestion for local prizes—a first prize of \$50, second, \$25; third, \$15; fourth, \$10.

J. F. Deese, Cochran, Ga., writes to Mr. Young: "A half-dozen gentlemen, including myself, got up in 1911 a corn club here of about 250 members, with a variety of prizes for the best acre yield and also for the best five-acre yield. With the most untoward year possible, excepting, of course, 1925, the worst of all possible years, we attained for the best acre yield something over 96 or 98 bushels. The important feature of this contest is that Bleckley county learned its wholesome lesson, and instead of buying carloads of corn as before the contest, bought less and less, till now it is a shipper of corn by the carload.

"Push your idea and let's have a state-wide contest that will be not only an eye opener to ourselves, but also to those of the middle West, who may pass through, showing them that our corn possibilities are not to be sneered at by even those of the corn belt."

### \$1,100,000 Tampa Office Building.

Tampa, Fla.—Work is expected to begin within a few days on the new office building to be erected here by Permanent Improvements, Inc., at a cost of \$1,100,000. General contractor for the structure was recently awarded to Logan Brothers of this city. The building will be 158 by 105 feet, 10 stories, of reinforced concrete and brick construction, with marble finish, tile floors and roof, and concrete foundation. B. C. Bonfoey of Tampa is the architect.

### "THE SOUTH IN THE SADDLE." Country Turning More and More to This Section for Leadership.

Memphis, Tenn., February 18—[Special.]—Optimism—the kind of optimism that bespoke a rosy future for the South—prevailed at the recent meeting here of the trustees of the Tennessee Manufacturers Association. The trustees held an all-day business session, followed by a public reception and banquet at night at the new Hotel Peabody.

"The South is in the saddle," seemed to be the keynote of the addresses, the principal speech being delivered by J. E. Edgerton, president of the National Association of Manufacturers and also president of the Tennessee Manufacturers' Association. Another speaker was Prof. Gus J. Dyer, professor of economics at Vanderbilt and formerly a speaker for the National Association. The meeting was held under auspices of the Chamber of Commerce, the president, C. Arthur Bruce, being toastmaster. Mayor Rowlett Paine, another speaker, referred to the inequalities of taxation as applied to a city government, without a line of demarkation being drawn between city, county, state and national affairs and benefits.

Mr. Edgerton, who lived in this city 27 years ago, paid Memphis a glowing tribute when he commented on its growth. "But it alarms me to see too much prosperity," he said. "The most dangerous days for a nation are the days of greatest prosperity, when men become satisfied and content with their condition. Keep a sharp eye on the unconscious enemies who are being used as tools. There are some people in this country who would have you believe that Russia is enjoying a more satisfactory government than we have. Destruction—the forces of destruction don't sleep. Destruction knows no fear. Conservatism, that constructive force upon which our Government is built, does sleep. It is the action of the radicals that I fear. It is the somnolence of conservatism."

In optimistic views on the South, Mr. Edgerton said that people all over the country are looking more and more to the South for leadership in politics, religion and business life. One of the strongest advantages of the South is that it has the largest percentage of pure American blood, he said.

Another highlight of his address was his reference to the purposes of the Tennessee Manufacturers' Association, which, he said, felt a deep interest in service to the state of Tennessee, because to succeed the whole state must succeed. He climaxed this statement with an assertion that Tennessee rapidly was becoming a great industrial state. His concluding remarks were that most of the sentimental legislation now being urged came from a lack of understanding of industrial conditions, and he impressed upon the men the importance of aiding the women to an understanding or much damage might result in years to come.

Professor Dyer spoke on "The Comeback of the South," in which he stated that for 30 years after the Civil War the North and West enjoyed all the boom, in which the South had no part. "But now the South is coming into its own," he declared. "It will not be long now before the people will look to the South as the pre-eminent leader industrially."

### Plans for \$500,000 Courthouse.

Fort Lauderdale, Fla.—Broward County Commissioners, Frank A. Bryson, clerk, are having plans prepared by J. M. Peterman of Fort Lauderdale for a \$500,000 courthouse here. It is estimated that furnishings and equipment will cost \$50,000 additional. The building will be 200 by 90 feet, five stories, probably of reinforced concrete construction.

### \$11,250,000 for City and Harbor Improvements.

Miami, Fla.—The proposed bond issue of \$11,250,000 for general municipal and harbor improvements here has been voted by a large majority. Improvements contemplated include harbor work to cost \$1,500,000; loan of \$1,605,000 to Government for early Federal aid in dredging and deepening the harbor channel, and five new bridges over Miami River to cost \$1,800,000. Other work planned embraces a new city hospital, fire, police, sewer and street improvements, street railway extension, incinerators and sewage-disposal plants. Mayor E. C. Romfh, City Manager F. H. Wharton, John B. Orr, sponsor of the harbor plan, and J. W. Watson, city attorney, all express gratification at the result of the election.

### Florida Citrus Crop Estimate Lowered.

Commercial shipments of Florida citrus fruits are now estimated by the United States Department of Agriculture at 14,000,000 boxes, of which it is estimated that 8,500,000 boxes will be oranges and tangerines and 5,500,000 boxes grapefruit.

This estimate for oranges is 2,200,000 boxes below the estimate issued in December and 2,500,000 below shipments from last year's crop. The present estimate for grapefruit is 800,000 boxes less than the December estimate and 2,700,000 boxes below last year's shipments.

The total crop of California oranges is still estimated at 20,400,000 boxes, compared with 18,100,000 picked last year. No attempt has been made to estimate the commercial shipments this season from California, because in that state the quantity that will be moved by motortruck is uncertain. California is expected to produce also about 400,000 boxes of grapefruit, compared with 387,000 boxes picked last year.

The present estimates for Florida are based on reports from growers regarding the quantities of fruit picked and to be picked in their own groves, estimates of growers regarding production per tree in their respective localities and growers' estimates regarding the percentage of this season's shipments moved to February 1. No corresponding estimates have been issued for previous years.

### Petroleum Refineries in United States.

A survey of petroleum refineries made by the Bureau of Mines shows a total of 509 refineries in the United States on January 1, 1926. Of these, 352 refineries, with capacity for treating 2,560,000 barrels daily, were being operated, while 157 refineries, with a total capacity of 290,000 barrels daily, were shut down. In addition, two refineries, of probable aggregate future capacity of 5000 barrels per day, were under construction.

Texas, with 100 refineries of 555,000 barrels capacity, leads in number, although outranked in total daily capacity by California, which has 84 completed refineries of 716,000 barrels capacity.

Of the total number of completed plants, 289, of 830,000 barrels capacity, are skimming plants making gasoline, kerosene, and gas and fuel oils. The greater part of the remaining capacity is that of complete plants, the relative percentage of which is steadily increasing. Approximately 150 plants have cracking equipment, the total charging capacity of which is probably in excess of 900,000 barrels per day. The growth in number of small skimming plants is incompatible with the present keen competition in the refining industry, the Bureau points out. Such plants exist today by reason of local advantages or discoveries of flush production in fields remote from pipe lines. As such conditions are gradually disappearing, it is probable that the peak in the number of refineries in the United States has been passed.



## Shall America Follow Brazil and England in Crop Control?

The question as to whether the same methods of crop control which have saved the coffee industry in Brazil and the rubber industry of England might not be adopted in the United States to save the great cotton crop is brought to the fore and given great weight in an article in the Guaranty Survey, published by the Guaranty Trust Company of New York city. Indeed, the question, it is felt by some students of economics, might be extended even further and be made to cover also other farm products of great magnitude in the United States. The publication of Brazil's method of controlling coffee prices is made all the more interesting in that it is issued by one of New York's greatest financial concerns without a word of criticism.

One of the basic reasons for Government control of the coffee crop in Brazil, it is cited, is "the fluctuation of the crop from 10,000,000 bags one year to 20,000,000 bags the very next year." Recent cotton crops have been: For 1921, 7,954,000 bales; 1922, 9,762,000; 1923, 10,140,000; 1924, 13,153,000, and 1925, 15,603,000 bales, a difference of 7,649,000 bales between 1921 and 1925—an increase of approximately 96 per cent in that period.

Under the caption "Coffee," the Guaranty Survey says: "The United States is by far the largest consumer of coffee, and is thus particularly concerned with the forces underlying the extreme price movements that have characterized this commodity in the past and with the outlook for the future. In view of the current controversy over the rubber situation, it is of interest to note that in the recent past the value of imported coffee has far exceeded that of rubber. Coffee was our leading import in 1923 and was a close second to raw silk in 1924. It is also the only product involved in the present international discussion which enters directly and on a large scale into popular consumption.

"Brazil produces about two-thirds of the world's crop and is thus in a position to dominate the market. The United States is the country most affected by the Brazilian Government plans for price regulation, since the people of this country consume one-half of all the coffee grown throughout the world. According to the Department of Commerce, 'the large artificial increase' in the price 'resulting from the Brazilian valorization scheme' cost the American consumer more than \$82,000,000 in the fiscal year ended June 30, 1925. During that year the average price of coffee imported into the United States was 20.878 cents a pound, or 44½ per cent higher than the average for the preceding year. The increase in the price of Brazilian coffee during the same period was nearly 55 per cent.

"The peak of prices was reached in January, 1925, when the average price for Rio No. 7 was 23.44 cents, as compared with 10.86 in January, 1924. Although the present level of prices is considerably lower than that prevailing a year ago, the wholesale price is more than double the average for the decade preceding the recent rise.

"Coffee growing has for many years been the most important occupation in Brazil. For some time past exports of coffee have constituted about 60 per cent of all the exports of the country, and have largely determined Brazil's position in international trade, the fortunes of her exchange and her financial stability.

"Although the world consumption of coffee rose from an annual average of 11,000,000 bags for the period 1890-1900 to 16,300,000 bags for the period 1900-1910, the first decade of the present century found the Brazilian planters in

extreme difficulties. The fact that a coffee tree does not come into bearing until five years after it is planted, and then continues to bear vigorously for about twenty years, had made possible a cumulative process of over-planting. Between the years 1895 and 1900 the number of coffee trees in Brazil increased from 300,000,000 to more than 600,000,000. The large yield of 6,000,000 bags for the season 1895-6 was increased to more than 11,000,000 bags in 1901-2. The vast bulk of the planting had taken place in the State of Sao Paulo.

"The bumper crop of 1895-6 started prices on a downward course. The resources of the planters, accumulated during a decade of prosperity, were gradually being exhausted. In 1902 Sao Paulo passed a law prohibiting the establishment of new coffee plantations. This was the first attempt at Government control of the industry in Brazil. Under the circumstances this action was ineffective. Conditions were going from bad to worse when, to aggravate matters, Nature played a trick on the planters and produced in the season 1906-7 a Brazilian crop of more than 20,000,000 bags—a yield which was double that of the preceding year and which, despite further increase of planted area, has not been equaled since. The State of Sao Paulo obtained a large loan, levied a tax on exports of coffee and purchased and impounded more than 8,500,000 bags during the season 1907-8.

"It is generally admitted that this valorization scheme kept prices from going to rock-bottom in 1907, and very probably maintained them at a higher level for the next few years. The comparatively short crops following that of 1906-7 enabled the Government to dispose of most of the valorized coffee at fairly favorable prices. It is evident, however, that valorization was not originally of a speculative character, but was occasioned rather by a national emergency.

"There has been a distinct upward trend in the consumption of coffee for many years. The outbreak of the World War, however, temporarily diminished European demand, and prices fell to their former low level. An attempt at valorization was made by Sao Paulo in 1915, but not enough coffee was bought to affect prices. In 1917 the Federal Government, through the emission of paper money, financed the state of Sao Paulo in the purchase of about 3,000,000 bags. The fall in prices was arrested and the short crop of 1918 again enabled the Government successfully to complete the operation. The frost of 1918, which had killed more than 25 per cent of the trees in Sao Paulo and had severely injured a great many more, promised another very short crop. This, coupled with the expectation of increased demand upon the termination of the war, raised the price of Rio No. 7 from 8.6 cents in July, 1918, to 23.0 in July, 1919.

"Then the speculative bubble burst. Prices fell as rapidly as they had risen, and were as low as 6.6 cents in December, 1920. The Federal Government again issued paper money, and with the aid of temporary loans purchased and warehoused 4,500,000 bags in 1921. It soon became necessary to obtain further financing, and in 1922 a sterling loan of £9,000,000 was obtained. The valorization scheme was again favored by a short crop in the following year, the coffee was disposed of soon after and the sterling loan liquidated early in 1924.

"Intermittent valorization had evidently not prevented the Brazilian planters from suffering serious reverses, nor had it provided against the seasonal tendency to depressed



prices arising from the marketing of the large bulk of the crop during the four chief harvesting months from July to October. In 1922 the Brazilian legislature therefore extended continuous protection to the coffee industry by providing for the creation of an Institute of Permanent Coffee Defense and inaugurating a policy of continuous limitation of receipts of coffee at export points. The Government had tried the policy of export restriction as far back as 1906, and had realized the need of warehouses to support it. The planters need both facilities for storing the crop and money to defray the expenses of growing and harvesting it. By the fall of 1923 the construction of warehouses in the interior of Sao Paulo was practically completed. At the end of 1924 the newly organized Sao Paulo Institute of Permanent Coffee Defense took over the Government regulatory warehouses and was vested with entire control of the machinery for coffee defense in Sao Paulo. To make the control of coffee more nearly complete, the Institute has since obtained the co-operation of the other Brazilian coffee-growing states in the policy of export restriction, so that receipts are now limited at both Rio and Santos.

"The Sao Paulo Institute has also directed its energies toward the promotion of efficient production, and in particular has carried on a fight against an insect pest whose destructive potentialities in the coffee industry correspond fully with those of the boll weevil in cotton growing. The Institute has also financed an extensive advertising campaign to increase the demand for coffee.

"This organization for the 'defense' of coffee is essentially a department of the Government of Sao Paulo, intimately connected with the Ministry of Finance. No one will question the legitimacy of the Institute's activities in promoting more efficient production and in conducting a fight against the enemies of the coffee tree. Our own Department of Agriculture engages in the very same activities. The orderly marketing of the crop is also without doubt a laudable object. It seems that the receipts at Santos were for a time too strictly limited to allow for a sufficient quantity of the different grades to effect the various blends demanded by the market. Upon the representations of the American Coffee Roasters Association this matter seems on the way to an amicable adjustment.

"The ground on which the 'defense' of coffee has been criticised is that the Institute is vested with the right, which it has so far exercised to a moderate extent, of entering the market and purchasing coffee at its discretion. The avowed purpose of this regulation is the maintenance of a price that will guarantee a 'fair' return to the planters. The ascertainment of a 'fair' return to the producer is difficult enough in any industry and is particularly difficult in agriculture. The conditions of agricultural production are such that the cost of producing a unit of the product varies, on the whole, inversely with the yield. The yield of an acre of coffee in Sao Paulo ranges from 170 to 2000 pounds, and the cost of production varies accordingly.

"World conditions tend to favor the valorization plan when exercised with discretion. Although the production of coffee outside of Brazil, after remaining stationary for about forty years, has recently been increasing, the growth of population and the tendency toward increased per capita consumption promise to absorb a gradual expansion of production. Sao Paulo itself has the capacity for double the present crop. The expansion within Brazil, however, is presumably within the control of the Government.

"On the other hand, the maintenance of an extremely high level of prices would stimulate large planting in other countries, which would, in turn, demoralize the coffee industry in Brazil. Although the natural environment and the large scale methods of production favor coffee production

in Brazil, the potentialities for competition abroad are quite ample to upset an unreasonable monopoly.

"So far as the immediate future is concerned, the statistical position of coffee seems to be sufficiently strong to enable the Institute to prevent prices from going to much lower levels. \* \* \*

"The weakest point in the coffee market has lain in the Brazilian Government's policy of currency and credit retirement. In its attempt to appreciate the value of its currency without discontinuing the extension of credit by banks to planters on the basis of warehouse receipts arising from coffee deposited in the regulatory warehouses the Government recently found it necessary to negotiate a large loan. The attitude of our Government toward the extension of credit to foreign monopolies frustrated the attempt to secure such a loan in this country. The Brazilian Government, however, has just succeeded in floating a £4,000,000 loan in the London market.

"The Sao Paulo Government justifies its defense policy on the proposition that the extreme irregularity of the Santos crop makes for tremendous price variation which jeopardizes the economic life of the State. The Government control, however, will have to be exercised with extreme vigilance and discretion if it is not to run afoul of the world forces of supply and demand. Brazil is a country rich in economic resources. It is to be hoped that the future development of the country will render it less dependent on the fortunes of one industry."

### Barge Line Contract for the Upper Mississippi River.

It will not be long until a barge line on the upper part of the Mississippi River is in operation, according to a report from Minneapolis, Minn., which says that a committee of 100 business men has undertaken financing of the Upper Mississippi River Barge Line Corporation, which has agreed to provide a \$600,000 barge fleet to be operated by the United States Government. Besides stock, bonds are to be sold to fulfill the plan.

This is the outcome of the efforts which resulted January 22 in the closing of the contract for the barge line, according to a dispatch from Washington, which quotes the official announcement of the Department of War as follows:

"The Secretary of War today signed the contract with the Upper Mississippi River Barge Co., whereby the latter is to build \$600,000 worth of equipment suitable to the chairman of the Inland Waterways Corporation. This money is to be made available immediately, and the designing and building of the barges will be proceeded with at once."

It is further stated that under the contract the cities of St Paul and Minneapolis shall provide adequate terminal facilities, and that the barge company has the option of selling to the Inland Waterways Corporation at any period after two years up to five years from the date of the contract, the corporation, in the event of a deal, to pay the original cost price.

The completion of barges and the operation of the proposed river service are expected to prove of great advantage in the transportation of grain and other products down the river, but also for the transportation up the river of Southern coal to cities of the Northwest.

### Plans \$1,000,000 Bond Issue.

Boynton, Fla.—City Council of Boynton has instructed the city clerk to prepare an ordinance authorizing a \$1,000,000 bond issue for municipal improvements. Funds from the issue will be used to install sewer mains, provide street lighting, water-works, widen Dixie Highway and erect a \$50,000 beach casino.

# "Personal Liberty" to Violate Law.

AN OPEN LETTER FROM HENRY M. LELAND IN REPLY TO HENRY B. JOY.

Henry B. Joy of Detroit in a recent letter strongly criticising the position of the Manufacturers Record on the Prohibition question referred to Henry M. Leland of Detroit as a fanatic. Mr. Leland, long known as one of the leading business men of the country, in the following letter makes a quiet, dignified but overwhelmingly strong answer to Mr. Joy's statement. In contrast to Mr. Leland's kind and courteous letter we published recently another letter from Mr. Joy in which he returned to his attack on the position of the Manufacturers Record in a manner quite the opposite of Mr. Leland's sane and sound discussion of this subject. If our readers will examine the two letters, the one by Mr. Leland and the other by Mr. Joy, they will see a contrast as great as is the contrast between Prohibition itself and the lawlessness of the liquor traffic.—  
Editor Manufacturers Record.

## "Detroit's Best Citizen."

In connection with the letter from Henry M. Leland of Detroit, published herewith, it will be of interest to give a letter recently received from Judge Pliny W. Marsh of Detroit, a fellow-citizen of Mr. Leland, in which he pays high tribute to Mr. Leland as having long been known as "Detroit's best citizen," Judge Marsh writes:

"Mr. Leland's standing in the industrial world is such that a man occupying the position you do would, of course, be very familiar with his record in that field.

"It may not be out of place for me to say that for the past 23 years I have been a practicing lawyer in Detroit. During all that time I have been more or less interested and somewhat active in civic affairs. For eight years I was attorney for the Detroit Citizens League, of which Mr. Leland was president. For four years I was one of the judges of our Criminal Court of Record. During my connection with the Citizens League I was of necessity brought into constant and very close contact with Mr. Leland.

"The achievements of the Citizens League in correcting the most flagrant abuses in our election system; the reorganization of the Board of Education, the City Council, the Criminal Courts and the revision of our city charter providing for a sound fiscal policy and civil service for city employees, non-partisan elections, etc., won for Mr. Leland the title of 'Detroit's best citizen.' His large contributions of money, time and energy to this cause won for it the support of forward-looking citizens and made possible the achievement of what were undoubtedly the most far-reaching and effective reforms of any city in the United States. Regardless of the demands of his enormous business in connection with the Cadillac and Lincoln Motors companies during this same period, and the time given to this cause, he was equally generous in other lines of civic, social and religious service. No public function involving any of these phases of life was considered complete without his presence. Although an active Protestant churchman, he is in no sense a sectarian. Twenty-five years ago he took the leadership in establishing an interdenominational Thanksgiving service, participated in by Jews, Protestants and Catholics alike, which has become an established institution in Detroit; he conducted a campaign by which more than \$100,000 was raised for the erection of a Salvation Army citadel, which has performed a ministry of mercy for thousands of unfortunates; when a new Catholic bishop was installed, he was one of the few Protestant laymen invited to participate in the ceremonies. Because of his genius in the engineering field, as well as other phases of public endeavor, the degree of doctor of engineering was conferred upon him by the University of Vermont (his native state) and by the University of Michigan.

"These are merely illustrative of the large area of his activities and the breadth of vision and interest which, for a half century, have flowed from the life of this remarkable citizen of Detroit. My only regret is that I have not the command of language to present more effectively the subject of this letter."

Detroit, Mich., January 18.

Editor Manufacturers Record:

I am taking the liberty of replying to Henry B. Joy of Detroit, whose communication appeared in the December 10 issue of your esteemed publication.

I am led to reply, not because your masterful answer in the same issue did not cover effectively the points raised by Mr. Joy, but because I have had a long, varied and rather unique experience pertaining to the traffic in intoxicating liquors. Though I do not entertain the hope of being able to change Henry B. Joy's views, I have a great desire and hope that a recital of some of my actual, thrilling experiences may have some influence with that large group of honest people who may have fallen under the spell of this great wet propaganda and tirade, which has behind it more wealth than any other propaganda ever inaugurated, and which, unfortunately, is attaching to itself a large following of sincere people who are grossly deceived by the volume and seeming high character of its proponents. I have hope that the recital of some of the typical cases with which I have come in touch during the past 75 years may set some of these persons thinking and cause them to revise their attitude.

If a few can be saved from this great Twentieth Century delusion and be brought back to sanity and normalcy, I shall be more than compensated, and I hope your patience and patriotism will not be exhausted and that you may see your way clear to allow me the use of space in your magazine for this purpose.

Mr. Joy shows his estimate of me by calling me a "FANATIC."

I have been called by many appellations before, some of which were not at all complimentary; nevertheless, I am glad to say there have been some statements from people whom I believed were among our best citizenry which have been rather complimentary and of which I have tried very hard to be worthy. I had hoped that my efforts toward the betterment of my city, state and nation were such as to do no violence to these views of friends and coadjutors.

I was not a little surprised to see Mr. Joy's estimate of my character, because for many years Mr. Joy held decided and definite ideas about many things in connection with the *modus operandi* and the practical working out of some of the great problems involved in this Republic, also in the various organizations of men who were influencing, or attempting to influence, certain Governmental policies. He wrote FREELY, VOLUMINOUSLY and FORCEFULLY on these questions. I was often favored by him with copies of these epistles, and for the most part, though a "fanatic," I thought his opinions generally correct. Because of his



patriotic interest in the welfare of the country at large, I always entertained a high regard for Mr. Joy and supposed he reciprocated to some extent at least. Upon reflection, however, I can readily see how Mr. Joy and I might well look at many things in the everyday routine of the habits and customs of the people of this country from radically different viewpoints.

Mr. Joy was favored by his birth into one of the wealthy and esteemed families of this country. On the other hand, it was my fortune first to see the light of day in a family at the other end of the line, as far as wealth and social standing are concerned. My early home surroundings were encompassed on every side by poverty and the limitations which necessarily go with poverty. Nevertheless, there were, in my judgment, in that home high ideals, integrity of character and the finest type of patriotic citizenship. I can see how two boys, brought up amid such extremely different conditions should have views diametrically different on some questions—and the question of temperance might well be one of these. May I, as briefly as possible, state some of the scenes of my early life, which made a permanent and lasting impression upon me and which I am unable to obliterate?

I was the youngest of seven children. For 25 years, while he was raising his family, my father derived a portion of the necessary income from driving an eight-horse team between Boston and Montreal, distributing his load at localities in northern Vermont, where our family lived during those years. Previous to the inauguration of the railroad system in the United States, these horse-drawn vehicles were really the transportation system of this country. This was a most strenuous job, and the long hours, the constant exposure to severe weather, especially in winter and early spring, with the frost coming out of the ground, all these tremendous hardships broke down my father's health, which, unfortunately, he never recovered. My mother lived with the family on a Vermont farm, which was worked on the basis of halves—the owner having half of all income and increase of stock. Eighty years ago this was a slow way to eke out a living for a family of seven children.

We lived in a small farmhouse, too small to be occupied by two families. The man who, with his family, occupied the other half of the house happened to be my father's nephew, although nearly the same age as my father. He was one of those American citizens who was an enthusiastic believer in *personal liberty*. He was an habitual and confirmed drunkard. His personal liberty was demonstrated almost every day by his coming home at night from the tavern in the village, about two miles away, "merry drunk," as he called it; and yet, when he was sober, which was very seldom, he was kind hearted, a good husband and father. When he was drunk he was transformed into an unreasonable and cruel demon. On these occasions he would knock his wife down and drag her around by her hair. He would treat each child, even the two-year-old, with the most cruel brutality. There was a new babe nearly every year.

The most pitiable sight that ever had come to my attention was to see five or six of these children standing at the corner of the road, nearly every day, watching for the return of this father from the tavern. Every child was tense and eager—and when they saw him come in sight over the top of the hill their tenseness was greatly increased—looking intently to see if he staggered and, if he did, which was his usual way, then one would say with great excitement and pain, "Yes; see, he staggers." Then all the children would run and hide and would not be seen again until the mother had got him to bed. Then she would go to the barn or the woods to find and bring to the house these children who were as afraid of their father when he was intoxicated as they would be of a hungry wolf. I have seen his wife, with her nose and face bleeding, being dragged about the house by the hair of the head. This was a frequent episode, and

it made an impression upon me which all the years since have not effaced from my memory.

I was then in my sixth year, and when I asked my mother why these things could be, she told me about the tavern, about the barroom, about the whisky or gin which transformed a kind and loving husband and father into a beast. She told me about the brewer and, with the object-lesson which I saw almost daily, the *PERSONAL LIBERTY* argument which Mr. Joy exploits never carried conviction with me. I always wondered when the personal liberty of Joe, the drunkard, and the brewer and saloonkeeper was being emphasized. I thought, *WHAT ABOUT THE PERSONAL LIBERTY of the WIFE* I saw dragged about the house by her hair—and I had an idea that this country or ours owed something to this *MOTHER and HER CHILDREN*. The *PERSONAL LIBERTY* argument looks mighty small and insignificant even when advocated by one of our respected citizens like Henry B. Joy.

Later on, after my father's health was broken, the family left northern Vermont and went to Massachusetts. My mother eked out a bare subsistence for her large family by keeping boarders and the help of the older children in the mill in the various factory villages of New England. We often moved from one village to another, hoping to find better conditions, but they were always strenuous, and the meager income from the long hours in the mill—twelve and one-half hours daily—would hardly keep body and soul together; yet the town tavern, with its ever-present bar, was always in evidence.

As I grew older I learned that these barkeepers, in order to insure permanent business, would entice boys of 12 or 14 years to come in and have a "fine drink," prepared with many sweets and made attractive in order to *CREATE an APPETITE* for the accursed stuff, thus making drunkards of the boys. I saw this thing going on in many villages, and always with the same reason for the carrying on of the damnable traffic—"personal liberty"—of the brewer, saloonkeeper and barkeeper, and I often wondered when some one would become interested in the *PERSONAL LIBERTY* of the boys, the mothers and the girls.

Our Government is unique among the Governments of the universe, either past or present, because its founders had the foresight and wisdom to adopt as its fundamental law the Constitution of the United States of America. Of this Constitution, that great statesman of the world, William E. Gladstone, said: "It is the greatest document that ever came forth from the brain of man at one time." And that other statesman and friend of the American colonies, William Pitt, said: "It is the greatest document pertaining to Government yet produced. It will be a model for all future Governments." This nation, founded under such a Constitution, was the first in all history to stretch out its arms and welcome to its shores the poor, the oppressed of all nations, those who were struggling for a chance to enjoy freedom to worship God as they pleased; this country gave them all that any real man deserves or wants, *an opportunity*—and they came here from all over, the Carl Schurzses, the Edward Boks, the Michael Pupins, with hundreds of others, many of whom became honorable and useful citizens and benefactors of their adopted country.

Our incomparable Constitution was the source of all these blessings for the foreigner who sought an asylum among us, and we may depend upon this Government to place its strong protecting arms around the boys and girls and the outraged mothers of our land who must be protected from the saloonkeeper, the fiend in human form who is ready to pay any price for the filthy dollars that he can make by dealing in this man-destroying, soul-destroying drink, and who transforms otherwise kind fathers, faithful brothers and noble sons into demons and fiends who accept no fatherly responsibility, who spend their incomes, which rightly belong to



their families, in riotous living, in destroying the manhood of the boys and the virtue and all that is most sacred in woman.

If this is PERSONAL LIBERTY, I want none of it, and I will fight it with all the resources and ability God has given me; and I will never change this view, even to hold the high esteem of Henry B. Joy, which I prize and which I deeply regret to find by his letter to you that I have lost. But I have my life to live as my experience and my God have taught me to live it, and if living this life in this way forces me to be a "FANATIC" and to lose the good opinion and respect of Henry B. Joy and a million more of like mind, then so be it. I can do no other.

May I, very briefly, give one other illustration?

At 15 years of age I left the little New England village, where I had spent the last three years of my life, and went to Worcester, Mass., to learn the trade of machinist. I returned for a visit after 10 years' absence, during which time we had gone through that terrible struggle, the Civil War; and I worked as faithfully and strenuously as I was capable in the United States Armory at Springfield, making rifles for the Government during the last three years of that war. I had caught the spirit, and was striving with every talent and every resource which God had given me to learn and to excel in the art of manufacturing. I had for years longed to go back to this little town to see how it dealt with the boys with whom I had played, the companions whom I had known intimately and learned to love.

Oh, what a revelation was in store for me! This town, like nearly all others in New England at that time, had its tavern and its bar. The proprietor was a genial man, a good talker, a great story-teller and very popular with young and old. He, like Henry B. Joy, believed strongly in "PERSONAL LIBERTY," and in his case that involved getting the old men drunk and training the young to take their places as the old ones fell into drunkards' graves.

Thus, as I went about the town inquiring what had become of Jack and George and Harry, I was pained to find that they were lying in the cemetery; in many, many cases, in fact, in a majority, they filled drunkards' graves. I spent nearly all one Sunday in the cemetery and I found scores of my boyhood friends in these dishonored graves. There, beside these graves, with uncovered head, I swore that, so help me God! I would do all in my power as long as I lived to put the accursed traffic out of business. If that makes me a FANATIC, so be it. I am in good company. I think, without stopping to look up my history, of Savonarola, of John Knox, of John Huss, of Tyndale and John Bunyan and scores and scores of others whom lack of space alone prevents me from mentioning, who were accused and put to death for being fanatics. So, I say, if these sentiments make me a FANATIC, then I welcome the appellation. I had ten thousand times rather be a fanatic than to be arrayed with the galaxy of brilliants which Mr. Joy mentions in his letter. The list is headed by a man who, very wisely, for public safety, makes an ironclad rule that his thousands of employees must not drink under penalty of discharge, yet he himself claims the right to have his cellar well stocked and to drink as he pleases, because the CONSTITUTION has given him PERSONAL LIBERTY!

I have no ambition to break into his class, but how about the PERSONAL LIBERTY of his thousands of employees? Is it any wonder that the prophet exclaimed, "Oh, what is man that Thou art mindful of him?"

As briefly as I can I want to mention another reason for my, according to Mr. Joy, FANATICISM:

In the manufacturing plants with which I have been associated for the past 50 years as foreman, manager or proprietor I have had many contacts with the victims of this nefarious traffic. I mention only one—I want to call

him Hal (that is not his name, but for the sake of his children I will not mention his name). Hal was an experienced, high-grade mechanic, a complete master of the art of interchangeable work in those days when there were but few who were capable of manufacturing parts in the factory by the interchangeable methods.

Hal worked with me in several different capacities for years. He had many unusual and rare gifts. He knew how to get along with men, how to get maximum production without driving or forcing, and kept everyone happy and contented; he produced excellent results, both in quantity and in quality. He had a fine, attractive personality, had a beautiful wife and a family who adored him. But he had one weakness, and that was for the poison stuff. He was like thousands of others whom we all have known, who could not resist temptation. He had promised his wife scores and scores of times, with tears in his eyes, that he would never, never touch the accursed stuff again. But some companion would meet him at night or at some entertainment and induce him to "just take one, only one drink." Yielding to the "just one" meant in his case a debauch, sometimes lasting for days.

Many times I myself went into the hell-hole called a saloon to take him out and home to his family, often staying with him all night to prevent his escape to the saloon. After he was sobered up and became himself again, I have seen him weep and apologize to his wife and beg her pardon and make every promise that it should never happen again, and all that. He has laid his head on my shoulder many a time and told me I was the best friend he had and thanked me from the bottom of his heart for rescuing him from the miserable viper which was destroying his family, his home and his soul. Yet when I went into the den where he was drinking with his crazed companions, he would tell me to mind my own business and let him alone, and the saloonkeeper and the companions would join him in the abuse and threaten to throw me out. But I knew his real self. I knew how he would feel when he became again sober. I knew about his home. I knew his wife and his children. I knew all this and more. I told him that I had come to get him, and that I usually got what I went after, and HE ALWAYS WENT HOME with me, in spite of all the threats and the vile names and the dirty talk characteristic of that hell-hole. He and every member of the family expressed their deepest gratitude as soon as he was sobered up.

Hal finally lost his job; then I took him to another city and got him another good job. He promised to stay sober, and he meant it, and he kept his promise until one of his former companions would visit the town and get him to take "just one drink for sociability's sake"—then he was off for a debauch. When he lost that job I took him to a far distant place and got him a responsible position. The people wanted to keep him; he accomplished more than anyone else had previously done and they tried to help him, but he was again found by the old boon companion and again led on his way to final ruin. After repeated attempts, his employers wrote me that, while they deeply regretted it, they had been forced to let him go permanently. The road then was a short and uninterrupted one to the end—a drunkard's grave, a broken-hearted wife, innocent and helpless children sent adrift to find their way in a cold, selfish and cruel world.

But the boon companions—the saloonkeeper, the brewer who manufactured the damnable stuff—had all had the great satisfaction of EXERCISING THEIR PERSONAL LIBERTY, that rare privilege so dear to the heart of Henry B. Joy.

I am going to quote from "The report of the National Conference on Street and Highway Safety," published May

4, 1923, of which Herbert Hoover, Secretary of Commerce, was chairman, as follows:

"What is the existing situation with regard to street and highway accidents?

"In 1923, the last year for which official figures have been completed, there were 22,600 fatalities and 678,000 serious personal-injury accidents on the streets and highways. Eighty-five per cent of these were incident to automobile traffic. During the past 10 years automobile accidents have doubled, and the total rate in 1923 increased by about 14 per cent over 1922. The economic loss is estimated to be not less than \$600,000,000 annually.

"Here is a waste of human lives each year equal to one-third of the American losses by death in the World War and two and a half times as many casualties as all those suffered by the American forces.

"Thirty per cent of all fatal automobile accidents happen to children of school age and under; or, in other words, 6000 children are killed every year in motor accidents alone. There are, of course, a very large number of serious personal-injury accidents happening to many thousands of children."

If the efforts of the wet forces to increase the alcohol content in beer under the Volstead Act are successful, then this action will result in again opening up the public and gilded saloon. Detroit had 1600 of these, and the rest of the cities in proportion. I predict that if this be done the number of casualties on our streets and highways will, by the increased number of drivers of automobiles and trucks while under the influence of intoxicating liquors, be multiplied four or five fold.

One more case, which happened about 30 years ago: I was operating a foundry in Detroit. One day a garnishee was served on one of our molders for \$68. I sent for the man, who said that this account was with a saloon in the next block and that it covered the past month's drink and treats. On further investigation, we found that he had another account of about the same amount with a saloon near his home. These two accounts for the past month amounted to more than he had earned, although he was being paid high wages for that time. But the saloons got it all! His family, consisting of a wife and seven children, received not one penny of support from that father. Investigation brought to light the fact that the wife got a neighbor to care for the two younger children while she went out to do washing for five days each week; also, that two little girls, about 13 and 14 years of age, worked downtown as cash girls.

An interesting development told by the wife: The girls came home Saturday night with their earnings for the week. This brutal father, in a partial drunken stupor, forced the girls to give him their week's earnings to go into the saloon coffers, even when the girls pleaded with tears that they wanted to buy much-needed stockings with part of the money, after helping the mother with part of it.

How is that for PERSONAL LIBERTY? But the worst is yet to come. The wife had served official notice on the saloon near home that they must not serve more liquor to this drunken father. The next thing, she found that this saloonkeeper was giving her 14-year-old son sweetened liquor to cultivate an appetite; and he told her to her face he would make her son a drunkard because she had the legal notice served on him. Such is the character of many of these saloonkeepers. Stories like these can be multiplied by the thousands.

Now, just one more story:

The year that Michigan adopted the Eighteenth Amendment Rev. Billy Sunday was holding meetings in his tabernacle in Detroit. I had a friend whom I will call Jack. Jack and I were associated in a number of different enterprises. We agreed on most things, but on the question

of the saloon and the wet question we could not see alike! He was constantly accusing me of being narrow and not willing for him to enjoy his liberty.

About this time Billy Sunday was to preach his famous "Booze Sermon." I took Jack with me to hear this sermon. We secured seats near the platform. After Mr. Sunday had presented with much force the curse to society and the iniquities of the accursed traffic, he took up this phase of the question, viz:

He explained that all manufacturers used certain raw material to produce their finished product, and that the saloonkeeper also used certain raw material to produce his finished product. Then he called to the platform a lot of fine-looking boys from 16 to 20 years of age and told how these boys were the raw material which the saloonkeeper used to produce his finished product. Then he showed how these handsome, fine, noble boys have the love and the hope of their parents and friends for a career of useful service, of honors to be achieved, of finally occupying a place of responsibility and the esteem and respect of their entire community. Then he showed how, when the saloonkeeper had finished his product, they became vagabonds and guttersnipes—these fine young men turned into criminals, wife-beaters, home-breakers, the wrecks and dross of society.

Jack heard all this as only Billy Sunday can present it. Then he broke down. He had three fine boys of his own, and he was thinking of them. He dropped his head, the tears rolled down his cheeks, and he said to me, "My God, we haven't a leg to stand on. Billy is right. I am for the Eighteenth Amendment"—and he voted for it. It is unbelievable how any man having sons or daughters of his own can do otherwise when this view of the real results of the saloon traffic is looked squarely in the face.

What do you think of this much-mooted question "PERSONAL LIBERTY" and the amending of the Volstead Act so that the accursed saloon may be again opened with all its old-time waste, ruin and destruction of all that is sacred in our family life?

These stories are accurate in every detail and can be duplicated by the hundreds. All this that the lord of the home may again pour his earnings into the saloon coffers—and the hard-worked and tired mother may exercise her PERSONAL LIBERTY by going out to do washing, leaving the young children with some more fortunate neighbor, and thus earn a bare pittance to help keep body and soul together.

When will the real noble yeomen of this country wake up and "quit ye like men?" I believe God and the angels are asking, WHEN?

I could write of successful efforts by the dealers engaged in this accursed traffic to destroy the virtue of our women; could give chapter and verse where the traffic resulted in unmarried mothers by the hundreds, and the nefarious traffic was defended by city officials and people whom many respected. But this letter is already too long; yet, with multitudes of similar things struggling for utterance, I find it difficult to stop.

The stories I have told are truths, not fiction. They are as real as Washington's monument or Lincoln's memorial; and though I do not hope to change Henry B. Joy's attitude, I do hope that many people who have been deceived and misled by the false ideals, by prolific, well-financed propaganda of the so-called wet program, may realize that there is another side to this controversy which is well worth their serious attention, and that if we allow the highly financed wet program to prevail this Republic will retrograde farther than it could hope to overcome in another generation or more.

HENRY M. LELAND.



# Production of Electricity and Consumption of Fuels by Public-Utility Power Plants in 1925.

The total annual output of electricity by public-utility power plants in 1925 was 65,801,000,000 kilowatt-hours, an increase of 11.5 per cent over the output for 1924, reports the U. S. Geological Survey. Of this quantity, about 34 per cent was produced by the use of water-power, a slight increase over the percentage of 1924. It would have required the consumption of 23,000,000 tons of coal to generate this 34 per cent.

The amount of coal consumed in producing electricity in 1925 was only 7 per cent greater than in 1924. The amount of oil was 38 per cent less and the amount of gas was 4 per cent less than in 1924. Although the oil consumed amounted to more than 10,000,000 barrels and the gas to nearly 50,000,000,000 cubic feet, coal represented nearly 30 per cent of all the fuel used by electric-power plant. The coal plus the coal equivalent of the oil, gas and wood used in the generation of electricity by public-utility plants in 1925 amounted to about 45,000,000 tons, or an average of nearly 3000 pounds a second, or 100 carloads an hour throughout the year.

The gain in efficiency in the use of fuel continued in 1925, as there was a decrease of about 0.1 pound in the average consumption of coal per kilowatt-hour compared with the rate of 1924. This apparently small gain amounts to more than 2,000,000 tons of coal for the year.

More electricity was generated for public use by public-utility power plants in December than ever before in any one month. The total amount passed the 6,000,000,000 kilowatt-hour mark for the first time, with a total of 6,108,000,000 kilowatt-hours for the month—an average daily output of 197,000,000 kilowatt-hours, an increase of 2 per cent over the average rate for November. The year 1926, therefore, starts with an average daily output of electricity 10 per cent larger than that at which 1925 started.

The average daily production of electricity for each month last year by public-utility power plants and the proportion produced by water power were as follows: January, 179,700,000 kilowatt-hours, 30 per cent; February, 178,600,000 kilowatt-hours, 35 per cent; March, 173,900,000 kilowatt-hours, 38 per cent; April, 172,700,000 kilowatt-hours, 39 per cent; May, 169,000,000 kilowatt-hours, 39 per cent; June, 174,800,000 kilowatt-hours, 35 per cent; July, 173,500,000 kilowatt-hours, 35 per cent; August, 176,200,000 kilowatt-hours, 32 per cent; September, 183,000,000 kilowatt-hours, 29 per cent; October, 191,900,000 kilowatt-hours, 30 per cent; November, 192,900,000 kilowatt-hours, 33 per cent; December, 197,000,000 kilowatt-hours, 32 per cent.

The information in the accompanying tables is based on the reports of the production of electricity and consumption of fuel published monthly by the Interior Department through the Geological Survey. The output of commercial and municipal central stations, as well as electric railway plants, is included in these reports.

## Financing for New Construction Work.

Memphis, Tenn.—For the purpose of raising funds to finance new construction and to provide increased facilities the National Power & Light Co., New York, operated under the supervision of the Electric Bond & Share Co., also of New York, is offering 100,000 shares of cumulative preferred stock of no par value. Directly, or through its subsidiaries, the National Power & Light Co. owns all the outstanding common stock, except directors' shares, of the Birmingham Electric Co., Houston Light & Power Co., Jackson (Tenn.)

Tables I and II show the total electricity generated, the quantity by water-power and by fuel power, and the quantity of the different fuels used in 1925.

Tables III, IV and V show comparative figures of output and fuel consumption for each year from 1919 to 1925. All figures for 1925 are preliminary and subject to revision.

Table I—PRODUCTION OF ELECTRICITY BY PUBLIC-UTILITY POWER PLANTS IN 1925. (Kilowatt-hours.)

United States and sections	Total	Water power	Fuel power
United States .....	65,801,158,000	22,322,180,000	43,478,978,000
New England.....	4,806,715,000	1,630,547,000	3,176,168,000
Middle Atlantic....	18,283,765,000	5,168,537,000	13,115,228,000
East North Central	15,698,844,000	1,621,694,000	14,077,150,000
West North Central	4,248,913,000	1,317,412,000	2,931,501,000
South Atlantic....	6,266,524,000	1,668,220,000	4,598,304,000
East South Central	2,610,371,000	1,024,214,000	1,586,157,000
West South Central	2,199,606,000	30,591,000	2,169,015,000
Mountain .....	3,123,025,000	2,603,539,000	519,486,000
Pacific .....	8,563,395,000	7,257,426,000	1,305,969,000
Total output by use of wood, 245,700,000 kilowatt-hours (included in above figures).			

Table II—CONSUMPTION OF FUEL BY PUBLIC-UTILITY POWER PLANTS IN 1925.

United States and sections	Coal (net tons)	Oil (barrels)	Natural gas (M cu' ft)
United States .....	40,173,742	10,254,195	46,460,743
New England.....	2,728,949	925,711	.....
Middle Atlantic....	12,087,028	302,340	227,642
East North Central	14,530,121	55,080	6,539,144
West North Central	3,650,994	1,146,141	5,383,539
South Atlantic....	3,999,623	1,717,450	577,045
East South Central	1,753,579	149,612	50,465
West South Central	669,048	3,191,515	23,202,088
Mountain .....	691,254	237,934	150,772
Pacific .....	63,146	2,528,412	10,350,048

Table III—ANNUAL PRODUCTION OF ELECTRICITY BY PUBLIC-UTILITY POWER PLANTS, 1919-1925.

Year	Total		Water power		Fuel power	
	Kilowatt-hours	Per cent of total	Kilowatt-hours	Per cent of total	Kilowatt-hours	Per cent of total
1919.....	38,921,000,000	37.5	14,606,000,000	37.5	24,315,000,000	62.5
1920.....	43,555,000,000	37.1	16,150,000,000	37.1	27,405,000,000	62.9
1921.....	40,976,000,000	36.5	14,971,000,000	36.5	26,005,000,000	63.5
1922.....	47,659,000,000	36.1	17,206,000,000	36.1	30,453,000,000	63.9
1923.....	55,674,000,000	34.8	19,348,000,000	34.8	36,327,000,000	65.2
1924.....	59,014,000,000	33.8	19,969,000,000	33.8	39,044,000,000	66.2
1925*.....	65,801,000,000	33.9	22,322,000,000	33.9	43,479,000,000	66.1

Table IV—ANNUAL CONSUMPTION OF FUEL IN PRODUCTION OF ELECTRICITY BY PUBLIC-UTILITY POWER PLANTS, 1919-1925.

Year	Coal		Fuel oil		Gas	
	Short tons	Barrels	M cubic feet	Barrels	M cubic feet	M cubic feet
1919.....	35,100,000	11,050,000	21,406,000	11,050,000	21,406,000	21,406,000
1920.....	37,124,000	13,123,000	24,702,000	13,123,000	24,702,000	24,702,000
1921.....	31,585,000	12,045,000	23,722,000	12,045,000	23,722,000	23,722,000
1922.....	34,179,000	13,197,000	27,172,000	13,197,000	27,172,000	27,172,000
1923.....	38,954,000	14,679,000	31,433,000	14,679,000	31,433,000	31,433,000
1924.....	37,556,000	16,630,000	48,443,000	16,630,000	48,443,000	48,443,000
1925*.....	40,174,000	10,254,000	46,481,000	10,254,000	46,481,000	46,481,000

Table V—AVERAGE CONSUMPTION OF COAL PER KILOWATT-HOUR BY PUBLIC-UTILITY POWER PLANTS, 1919-1925.

Year	Output by the use of fuel† (Kilowatt-hours)		Coal equivalent in other fuels‡ Pounds per kilowatt-hour	
	Net tons	Coal equivalent in other fuels‡ Pounds per kilowatt-hour	Net tons	Coal equivalent in other fuels‡ Pounds per kilowatt-hour
1919.....	24,176,000,000	3.2	38,880,000	3.2
1920.....	27,248,000,000	3.0	41,420,000	3.0
1921.....	25,863,000,000	2.7	35,240,000	2.7
1922.....	30,240,000,000	2.5	38,000,000	2.5
1923.....	36,092,000,000	2.4	43,522,000	2.4
1924.....	38,908,000,000	2.2	43,130,000	2.2
1925*.....	43,233,000,000	2.1	44,700,000	2.1

\*Preliminary and subject to revision.

†Coal, oil, gas.

‡1 ton coal=4.2 barrels, oil=22,000 cubic feet gas (approximately).

Railway & Light Co., Knoxville Power & Light Co., Memphis Power & Light Co., Memphis Street Railway Co., Pigeon River Power Co., and substantially all the common stock of the Carolina Power & Light Co., the latter owning all the common stock, except directors' shares, of the Yadkin River Power Co. and the Asheville Power & Light Co.

The Dade County School Board, Ray L. Hamon, director of building construction, Miami, Fla., plans to erect a three-story, \$1,000,000 senior high school building at Southwest 1st street and Twenty-fourth avenue, Miami.

# Sir Robert Hadfield on Debts of Allies and Economic Conditions in England.

[As one of the foremost metallurgists of Europe, whose high quality of steel helped to win the war, Sir Robert A. Hadfield's views on all economic or international matters are of general interest here and abroad. In the following letter, called forth by the Manufacturers Record's position on the debts of the Allies, Sir Robert gives some striking facts regarding economic and wage conditions in England.—Editor Manufacturers Record.]

22 Carlton House Terrace.

London, S.W.I., December 23.

Editor Manufacturers Record:

In view of your splendid efforts to set forth what seems to me the right point of view with regard to the question of the debts of the Allies, may I send you a few lines of most hearty appreciation for all you are doing?

While my views as an Englishman may be considered as prejudiced, I do not mean them to be so, and try to take an impartial point of view. We all understand that, notwithstanding America's wonderful prosperity, nevertheless she, like ourselves, has also to face the paying of a huge war debt, probably some twenty billion dollars; yet, in view of the terribly depressed social and industrial conditions over here, it does seem hard to expect Europe at the present time to pay enormous outgoings for settlement of the debt—that is, whether as regards France, Italy, my own country or others.

To give you some idea of the present conditions prevailing here, and at any rate not made better by the large outgoings of gold, the upsetting of credit and other causes, I enclose two expenditure tables of certain work people belonging to my own firm, for the figures in which I can vouch as being correct. I think you will agree that these tables show how very small are the margins in the receipts of the worker, and it is worse still on the Continent, for paying his expenses and high living charges. The wonder is how these people exist and bring up, as shown in one case, a family of five children. On the other hand, under present conditions, it is not possible to pay out higher wages; the industries here could not stand it; they would simply come to a stop and be bankrupt.

I believe if your great nation realized, as I feel sure they will some day, and toward that end you are working very nobly, they would not wish to add to our burdens over here by draining us financially, all of which reacts upon the people. It is not for me as an outsider to say much, but I can say this because it is what you have yourself put forward, namely, that it does seem to us over here that the United States might well take the view that, because she came late into the war, this should not debar her from taking her fair share of the whole of the war, especially seeing how vitally interested she herself was with regard to the final results.

There is very little hope for an improvement in conditions over here so long as we are having this terrible drain on capital and interest. I am not speaking of my own country only, but for practically the whole of Europe.

R. A. HADFIELD.

The table enclosed relates to 1923, but applies practically as well to the present. It is as follows:

RATE PER WEEK OF 47 HOURS, 44 SHILLINGS.  
Now working five days per week, and with overtime wage is 59 shillings 5 pence per week.

G. K. (Married, with 3 children)		Ratio of expenditure to wage. Per cent	
Rent—	a. d.		
Corporation hut .....	8 6		14
Gas .....	1 6		8
Coal .....	3 2		
Insurance and Sick Club.....	2 2		8
Doctor's bill .....	2 0		
Food—			
2 stones flour (28 lbs.).....	4 8		
1 lb. tea .....	2 6		
¼ lb. cocoa.....	9 9		
Meat .....	9 0		
2½ lbs. bacon.....	2 11		
4 lbs. sugar.....	2 8		
½ lb. butter.....	1 11½		
2 lbs. margarine .....	1 4		
1 lb. lard .....	1 8		
Eggs .....	1 0		
Milk, 1 pint per day.....	1 9		
Vegetables .....	3 0		
Total food.....	1 11	0½	52
Scap, etc. ....	2 2	0	3
Balance .....	2 10	4½	15
		0½	

I have a son 17½ years old who has not done more than 6 months' work in all owing to bad health, and in addition to the above I have clothes, etc., to buy.

C. C. (Married, with 5 children), oldest 10 years		Ratio of expenditure to wage. Per cent	
2-roomed house .....	a. d.		
Arrears rates (£8).....	4 3		12
Gas and firewood.....	3 0		10
2½ cwt. coal.....	2 0		
Insurance and Sick Club.....	3 11½		9
Doctor's bill .....	4 3		
2½ stones flour and yeast.....	1 0		
1 lb. tea.....	6 2		
¼ lb. cocoa.....	2 6		
Meat .....	7½		
1 lb. bacon (for meals at work)....	6 0		
1 lb. cheese (for meals at work)....	1 6		
6 lbs. sugar .....	1 8		
1 lb. margarine .....	3 9		
1½ lbs. dripping.....	1 0		
Eggs .....	1 6		
2 tins Nestle's milk for baby.....	2 0		
2 tins milk for general use.....	1 3		
Vegetables .....	4 0		
Total food.....	1 13	11½	58
Washing sundries .....	1 6	6	3
Balance .....	2 14	11	8
		4	

The doctor's bill is for my wife, who developed tuberculosis from nothing else but going without decent food so that the children could have it. These are the chief items, and what is left over we spend in clothes and boots, but we cannot keep ourselves respectably dressed. The pleasures of life are unknown to me and my family.

It will be seen that the above includes no charges for clothing, amusements and other items.

## The Foreign Debt Cloud As Seen by Editor of New York Times.

[From the Bache Review.]

It is not often that the community hears from Adolph Ochs personally, although hundreds of thousands of readers hear indirectly from him every day through the New York Times, the present-day greatness of which he has created. He made an address, however, recently before the Advertising Club of New York, in which he talked mainly about the relations of a great newspaper to its advertisers, but he closed with a glance at 1926 and a new note of warning. He said:

"We have within our hands in this country the possibility of a continuance of our prosperity for some time to come. But we are in very serious danger of losing that opportunity. There is one black cloud in the horizon in the debt that is owing to us abroad and which we are trying to collect. That is the one thing that stands in danger of prosperity today.

" \* \* \* I said this to a noted man the other day. He said: 'I agree with you, Mr. Ochs; we ought to settle these debts upon such terms as the people who owe us are willing to pay, even if they are only willing to repudiate. But our people are not educated up to it yet.' I replied: 'Don't you think they would understand in Kansas, for instance, if you could tell them, if they collect their debt from



France wheat would be worth \$1 a bushel? But go to work and re-establish commerce and trade and the wheat will be worth \$1.50 a bushel.' He said he thought they would understand that.

"Secretary Mellon has said that we would impoverish these people if we tried to push them for any more. The fact is that debt is the one black cloud in our horizon, and we must have that adjusted so that we will not sacrifice the respect and good-will of the countries with which we are dealing. We will have to encourage them to trade with us."

At the present time the debt question is sleeping, but it is still full of trouble. Joseph Caillaux, in an article in *The Banker*, London, for January, presents the French financial and political situation in graphic form, leading up to the debt problem. The article was written after his return from the conference here, when the endeavor to arrange a French settlement failed.

"These debts to the Allies," he says, "are a tremendous problem. The future of France and of the whole of Europe is tied up with it. I say most positively that there will be no economic stability in the world so long as there remains the network of the debts, obliging nations to make transfers to other nations. The economic situation of Europe will be at the mercy of any cloudburst."

M. Caillaux claims that the agreement with Great Britain would have been signed by now if he had been able to come to terms with the United States.

"It is true, concessions were made to me in Washington, and by lowering the rate of interest a not inconsiderable reduction in the amount of our debt was offered. But this was not sufficient."

The principle, he says, was accepted, that France should not be expected to pay more than was in her power, but he was told that he underestimated the capacity of France to pay. The Americans, he said, admitted that his country at present is in a difficult position, but they predicted for it a splendid economic future.

"To these conditions I could not put my signature. They appeared to me to be so onerous that France, as a result of their acceptance, would have been placed in chains, and with her the whole of Europe. I remembered the prediction of a Czecho-Slovak journal: 'Europe is about to become a debtor's prison on the highest tower of which will float the Star-Spangled Banner.'"

And in closing his article, he quotes a doctrine of Cardinal de Richelieu: "No nation, however strong, can maintain alliance or friendship with foreign people unless it treats them with both justice and generosity." And this, in effect, is the conclusion of Mr. Ochs in the address above quoted.

In this connection an editorial note in the journal containing the Caillaux article has the following under the caption "The Wonderful Americans":

"The Americans are a wonderful people. They clamored for payment of the war debts due to them, and they have succeeded to a surprising extent. Ten countries have settled their debts, the amount of the principal involved being \$7,389,914,000. In the period of sixty-two years, during which the debts will be liquidated, America will receive about \$15,072,795,000, of which Great Britain will pay \$11,105,965,000. Fortunately, owing to a big rise in the price of rubber (America consumes about 75 per cent of the world's supplies), the task of paying our debt to her is facilitated.

"But the Americans are now vigorously protesting against having to pay a high price for rubber. They do not realize that they cannot have it both ways, i. e., insist on being paid and refuse to take the means of payment, i. e., goods and services. These war debts represent no assets, and their repayment must necessarily bring about a rise in prices in debtor countries which would not have occurred otherwise. There are a number of far-seeing bankers in America who believe that the United States has not said her last word on the subject of debt repayments, and a drastic revision of the debt settlements, especially as regards Great Britain, is confidently looked for in the not distant future. It is to be hoped they are right."

## The French Debt As Seen by a New York Attorney; an Appeal for Fair Dealing on Our Part.

Law Offices of Allen & Cammann.

New York, January 27.

### Editor Manufacturers Record:

The arrival of the new French Ambassador, Monsieur Berenger, who has come, as stated in the press, to try to effect a settlement of the French debt to us, makes it of interest to refer to our attitude in the past in our relations with foreign Powers regarding financial arrangements with them.

Secretary Mellon, in his able presentation in the newspapers, has explained the position of the Debt Funding Commission regarding foreign debts with the utmost lucidity. The statement that the Commission felt "no funding should be made which did not repay the principal of the debts, and thus maintain the integrity of international obligations," sets forth the attitude of the Commission that these matters are to be settled on a purely business basis with European countries; that they, having given their notes for the credits advanced for the prosecution of the war, unless these notes are honored at their face, international credit will founder. However, this statement is subject to the proviso that the ability of the debtor to pay must and will be taken into consideration.

There is, however, another aspect from which this question can be approached. It is that of Edmund Burke, when, in referring to the troubles with the American Colonies, he said: "It is not what a lawyer tells me I may do, but what humanity, reason and justice tell me I ought to do."

This attitude, as thus exemplified by the quotation from Edmund Burke, is the one that has so far been followed by our country in its relations with foreign Powers; and I will cite as examples: The remission of the Boxer indemnity to China; our treatment of Spain after the war with her, when, instead of asking an indemnity from a defeated foe, we gave her \$20,000,000 because of the Philippines; our treatment of Cuba, setting her up as an independent republic after having freed her, claiming no return for the expenses incurred in her behalf; and the latest instance, that of our payment of \$25,000,000 to Colombia because of Panama. Certainly, the lofty altruism and the generous policies adopted in those cases by our Government can always be remembered and referred to with pride by the children of those who formulated them and by our people as a whole.

Such examples as these show that in our international relations we have considered debts between nations to be on a very different basis from those arising in ordinary business transactions. Certainly, if we consider, for example, the case of Cuba, she was largely in our debt for having established her freedom, and we incurred heavy expenses in doing so, but we demanded no pecuniary recompense; and the payments to China, Spain and Colombia were made rather to secure good-will and kindly relations than because of any legal reason for making them. As Edmund Burke said, our policy in these instances was that of "humanity, reason and justice." Perhaps the finest thing in our record is the spirit we have shown in those dealings with foreign nations.

How was the war conducted? France's effort was mainly military; but, even so, she advanced moneys to Allies with less financial strength. England's military effort, though great, was less than that of France, and her naval effort was much greater, as was also her financial aid, for she had to help to arm, equip and feed France and the other Allies. It was an effort by all of them, pooling their whole resources.

Our help, until the last four months, was financial. It was not until the last four months, because of our lack of preparation, that we could put any substantial military forces in the field, and, therefore, we gave the money, which, let me

add, was spent in this country to put guns, rifles, munitions and supplies into the hands of the French soldiers, who were trained, and who were then fighting for us, as well as for themselves. As General Bullard said, we were in the war "by declaration only." Let me, too, recall to mind that, from the date of our declaration of war to the end of June, 1918, when we really got into the line in strength, France had lost 336,000 men—*killed*. Is it right, therefore, for us to ask for the return of the money we then let France have to enable her to equip those men? Can it be that any of us would have had our own young men in that line, bearing our arms, when and where those 336,000 soldiers of France perished? Shall we demand that France pay for the arms and munitions her soldiers, instead of ours, used and in a common cause? Even if we could, not one of her dead soldiers would we have replaced with one of our living boys.

With all our wealth, we cannot give to France the life of a single soldier that was lost because of our belated arrival at the front. But we can give back to her, or cancel, the obligation incurred to buy or pay for the uniforms, arms and munitions for those men. Is it right to hold to the strict letter of the written obligations that she gave? It is a moral, rather than a legal, issue that we have to face.

Should we not take into consideration, also, the fact that unless France had for the 44 years, from 1870 to 1914, burdened her people with the maintenance of her large armies, their training and the cost of their equipment; that unless thousands of her best brains had given themselves up to the hardships, severities, sacrifices and renunciations of an army life; that unless her people had been willing to bear the drain on her men and finances in order to support those armies, and thus provided the shield behind which the armies of England, and then our own, found the protection enabling them to be trained and equipped, today the world would be dictated to by the German military leaders and we would be under the heel of the German boot; and that, unless we had been willing to pay them tribute and submit to this dictation, it is really awful to contemplate the dangers we might have had to meet and the losses in lives and treasure we might have had to bear?

As for the first 15 months we were in the war, as General Bullard said, "by declaration only," is it proper, is it right, is it in accord with the standards we have established in the past, to treat the sums advanced to France to furnish her with guns, rifles, munitions and supplies before we got actively into line, which includes the period, from our declaration of war in April, 1917, to June, 1918, when we began to take a real part in the fighting, as properly included as items of the debt? According to the figures I have, the moneys advanced during the period were:

For munitions .....	\$489,643,625.92
" exchange and cotton purchases .....	480,200,000.00
" foodstuffs .....	61,450,216.62
" shipping .....	36,808,248.15
" interest .....	66,237,141.89
" relief .....	61,000,000.00
	<hr/>
	\$1,195,337,232.58

Possibly there are some deductions to be made in the last five items, and that some of this money should not be credited to sustaining the armies in the field. There are two other items in the account which are reimbursements—\$581,000,000 and interest—\$66,237,141.89—which may have been payments to take up loans from bankers, etc., made before we declared war. Certainly, those of us who were in active service and realize the dangers and hardships that the French soldiers endured while fighting for us have a vivid realization of the thousands upon thousands of American lives that were saved while the Allies were holding the lines during the 15 months that we were getting ready, and would agree with what the great commander, General Pershing, said in his speech at Denver:

"I am going to make a declaration now that I have not

made before at any public gathering. We supplied our Allies with money, and it is my opinion that we ought now to bear some of the expense of maintaining the Allied lines against the Germans until such time as our troops were ready to go into action."

It must be remembered, also, that if we had had the 500,000 men ready and equipped that Secretary Garrison wished to provide for, the Allies would not have needed the moneys given them during these 15 months. However, because of the views held by many in Congress, and because of the settlements already made, it is certainly difficult for the Administration now to alter its policy; yet, I believe that in the course of time our people will conclude that honor demands that we cancel that part of the debt to which I refer, and that to do so would be more worth while and indirectly more valuable to us than the billions we might collect.

However, leaving aside the questions of honor or sentiment, and if we approach the question wholly from a legalistic and business viewpoint, does not the principle of "quantum meruit" apply? Do we owe the Allies nothing for having spent the money we loaned, and much of their own, in holding the line for our joint account? Doubtless a legal counterclaim for services rendered, in order to reduce Allied loans, would be a novel thing in international law; but is not the rule as to implied contracts applicable? Blackstone lays it down thus:

"Implied contracts are such as reason and justice dictate, and which, therefore, the law promises that every man undertakes to perform. As if I employ a person to do any business for me or perform any work, the law implies that I undertook and contracted to pay him as much as his labor deserved."

What was the implied contract—what did France, the borrower, promise to do—when we loaned the money? Was it not that we loaned it on the expectation and understanding that the Allies would hold the lines while we were getting ready? Did they perform that part of the understanding? They certainly did. Because we loaned the money, and made that part of the relation contractual, as evidenced by bonds and notes, is there any reason to claim that the other part of the arrangement, the holding of the lines, is not contractual?

Consider, again, the services themselves: The United States, by declaring war, was exposed to attack by Germany. The Allies, by holding the lines, prevented this. If they had been overrun and defeated during the first year after we entered the war, would we not also have been defeated? Our fleets, inferior in strength to Germany's, would have been beaten, as surely, in this event, the German fleet would have been added to by ships surrendered by the Allies; our coast towns would have been bombarded and probably some of them seized; our foreign trade would have been disorganized, and a real invasion might not have been impossible, and our expenditure, both in lives and in treasure, infinitely greater than the sums we did advance, and for which we are now asking return.

That these services were rendered also for themselves does not alter the fact that they were, in part, rendered for us. The fact that the moneys were loaned on a contractual basis, as evidenced by French bonds and treasury notes, does not alter the fact that they were spent for joint account, together with other moneys paid out by the French themselves; and, under the rule of "quantum meruit," it would seem that the advances above referred to should be canceled, and this would still leave the great sums advanced after June 30, 1918, to be repaid. Are direct contracts more binding than implied ones?

As I have said, it is probably difficult now for the Administration to alter its policy, but in the statement presented above some consideration might be given to the facts and arguments in favor of a liberal treatment of the debt, and



the deferred payments be so arranged as to virtually cancel the items above referred to. And if all that part of the debt were canceled, the French then would feel that we had adopted a generous attitude and recognized what to so many of them seems simple justice, and would, because of this, make all the greater efforts to pay.

Good will on the part of a debtor is an asset. Certain it is, should this be done, that we would receive a rich dividend in the way of good will and friendly feeling. As Mr. Mellon has very well said, "The entire foreign debt is not worth as much to the American people in dollars and cents as a prosperous Europe as a customer."

FREDERICK H. ALLEN.

### An Appeal to Uncle Sam From an Englishwoman in India.

8 Ahlone Road, Cantonment,  
Rangoon, Burma, East India, December 28.

#### Editor Manufacturers Record:

In the December number of the National Review of London there is an article reprinted from the MANUFACTURERS RECORD on the "Indebtedness of the Allies," which I have read with profound interest. Your language is true, and direct to the point, with indisputable facts which must appeal to the soul of dear Uncle Sam. He must realize how bowed is honest John Bull under the mighty burden, the very greatest financial burden ever undertaken in the history of the world to help sister countries in great distress under momentous circumstances.

Your letter is most instructive, a lesson of historic facts which every man and woman should learn, and so kill misunderstanding and contention, which do not make for brotherhood. Your noble suggestion "to give to the world an illustration of unselfishness based on justice and righteousness" is truly Christian. Yes, truth, justice, righteousness and generosity are the bed-rock of Christian rule and the granite foundation of the greatness of the Anglo-Saxon race. I am so touched by your lofty appeal to Uncle Sam's sons and daughters that I am sending you my appeal to John Bull's sons and daughters. My letter is addressed to Mr. Hurcomb, who is known throughout the British Empire as "Honest Hurcomb" (a title to be proud of in these days of manipulation), in which I refer to America.

"The single brain of James Watt is the greatest wage fund that has ever arisen on earth." As the United States of America of all peoples have made the most stupendous success of the James Watt steam engine discovery, and thereby mechanical industries of every kind, and have realized untold wealth, and as far as I know have not paid any form of tribute to the memory of "the world's genius," I wish to suggest that the United States of America might refund part of Britain's indebtedness as a tribute to the memory of "James Watt, the world's creator of mechanical industries."

Should my suggestion materialize, America will have raised a monument, great, magnanimous and kind, to the simple, pious James Watt, who became the greatest of all engineers, the father of an industry which is world-wide and practically touches every phase of human life throughout the civilized world. Should my appeal touch the soul of Uncle Sam, he will give relief to every home suffering under the awful burden of taxation to pay the debt of honor to him, contracted under circumstances you so truthfully state, viz., "when Germany was endangering the world with its seemingly all-conquering power, with its atheistic barbarism, seeking to destroy civilization and Christianity itself."

Your closing paragraphs are sublime. Trust, then, the noble thoughts which God gives you and translate them into action. They are for use to make great deeds possible. I have but one desire—the advancement of brotherhood of the Anglo-Saxon race represented by Uncle Sam and John Bull, who have done so much in God's garden of life for the advancement of His Kingdom.

"I am only a part of God's great plan and  
I'll cheerfully do the best I can."

With every kind wish, and hands across the seas, believe me, dear sir,

(MRS.) GEORGINA CHADWICK BROWN,  
JOHN BULL'S DAUGHTER.

### Thirteen Reasons Against Debt Cancellation.

Decatur, Ga.

#### Editor Manufacturers Record:

In view of the comment concerning myself and my motives in opposing cancellation of Europe's past due debts to our country, appearing in a recent issue of the MANUFACTURERS RECORD, I request that you disabuse the minds of your readers by publishing the following résumé of my actual reasons and motives for having taken the position that said debts should be collected:

1. First, last and all the time, I am an American. As such, I never have conceded and never will concede, that my country ever has wronged, or ever will deliberately wrong, or seek to wrong, any other country, nation or people.
2. I do not concede that the policy of our Government is subject to change at the behest of any interest, except that of the majority of our own people.
3. I do not concede that my Government is as subject to error as are Governments existing amongst the seething fumes of socialism, sovietism, bolshevism or anarchism over the cauldron of feudalism.
4. I do not concede that anyone who has sworn allegiance to our Constitution has a right to withdraw support from our constituted Governmental heads when said Governmental heads are dealing with a foreign power or interest.
5. I do not concede that there is a Government extant superior to, or even equal to, the Government, or Administration, we now have at Washington.
6. I do not concede that cancellation of said past due debts will benefit anyone, except a certain clique of militaristic-inclined interests.
7. I do not concede that any foreign Power has a right, from a political, financial, economic, humane, Christian or any other standpoint, to ask or seek cancellation of said debts.
8. I do not concede the advisability of further encouraging disrespect for property or property rights (which cancellation of said debts would do) at this period of the world's history.
9. I do not concede the advisability of reducing the rigor of the lesson which Europe should have learned from the so-called World War.
10. I do not concede there is any form of government yet evolved superior to, or the equal of, our own form of government.
11. I do not concede that cancellation of said debts will in any manner strengthen our form of government.
12. I do not concede that the so-called Allies spent a single dollar or life protecting the interest of the United States during the so-called World War.
13. I do not concede that friendship can be bought with money.

I do concede the following:

1. That to err is human.
2. That consideration of both sides of a question is highly advisable.
3. That the citizens of other nations have a right to forward and protect the interests of their own nation in any manner they may see fit.
4. That personalities have no place in the present discussion.
5. That Europe is a past mistress in promulgating propaganda.
6. That certain nations of Europe deserve our sympathy and good-will.
7. That it costs money to prosecute a war in Asia, Africa or anywhere else on earth.
8. That the individual or party denying that it costs money to prosecute a war is fomenting war in all its horrible aspects.
9. That right is right, regardless of might.
10. That a friend in need is a friend indeed.
11. That a real friend does not seek that which belongs to his friend.
12. That the theory of brotherly love is a beautiful theory and should be encouraged in Europe, America and all other parts of the world.
13. That less than 1 per cent of our people criticise the stand our Government has taken in the matter of collecting said debts.

ROBERT LEE HALL.

[We give Mr. Hall space for his letter, but we cannot see that it adds anything of value, pro or con, to the subject discussed.—Editor MANUFACTURERS RECORD.]

### TRADE WITH FAR EAST ADVANCES.

**Totals \$2,035,200,000 in 1925, a Jump of 23 Per Cent—Exports Increase One-Half of 1 Per Cent; Imports, 43 Per Cent.**

The combined export and import merchandise trade of the United States with the Far East for 1925 aggregated \$2,035,199,000, as compared with \$1,622,169,000 for 1924, a gain of \$413,169,000, or 23 per cent. Of this total value \$667,107,000, an advance of \$2,213,000 (less than one-half of 1 per cent), represented exports and \$1,368,092,000, an increase of \$410,856,000, or 43 per cent, was credited to imports, according to the Department of Commerce.

Imports from all of the countries were heavier than the previous year, while Japan and China (including Hongkong and Kwantung) alone lagged behind in the export trade. The very substantial gain in imports is readily attributed to the high price which rubber commanded and the increased demand of American manufacturers for raw silk, jute and other materials obtainable only in the Orient.

Exports to the Far East for 1925 registered an advance of \$176,129,000 over the average of the five-year period 1914-1919 and \$500,949,000 above the 1910-1914 period, while imports showed an increase of \$728,364,000 and \$1,094,084,000 for the same periods, respectively. The Far East supplied 32 per cent of the total foreign merchandise imported into the United States for the year and afforded a market for 13.6 per cent of our total exports, against 26 per cent and 14.4 per cent, respectively, for 1924.

Japan, with an aggregate of \$611,819,000, a gain of \$21,252,000, or 3.6 per cent, topped the list both as a consumer of American goods and a source of supply for Oriental products. Straits Settlements took second place in total trade with a total of \$325,162,000, an advance of \$170,032,000, or 109 per cent, but outranked all in the relative increase, this result being gained, however, only through the excessive value of imports. China followed with a total of \$304,036,000—including \$32,095,000 for Hongkong and \$8,794,000 for Kwantung—a rise of \$31,937,000, or 12 per cent. Australia ranked fourth with \$203,634,000, an advance of \$55,588,000, or practically 30 per cent, while India, with a total of \$183,766,000, an increase of \$54,589,000, or 32 per cent, won fifth place from the Philippines, whose trade for the year footed up \$172,990,000, or \$16,383,000 more than the year previous. Though the Dutch East Indies ranked seventh, with a total trade of \$115,032,000, an increase of \$43,033,000, or 60 per cent, it was second in relative increase.

### Baltimore Developer to Build 800 Dwellings.

Details are being arranged by the Frank Novak Realty Co., Baltimore, for the erection of approximately 800 dwellings in the Canton district of Baltimore. The houses will be located on a 25-acre tract of land which the Novak Company has purchased from the Canton Company and which adjoins a tract already owned by the purchaser. The dwellings will be of the porch-front type, two stories, of brick construction and will contain six and seven rooms each. Plans and construction will be handled by the Novak organization.

### Contract for \$750,000 Houston Hotel.

Houston, Texas.—General contract has been awarded by the Terminal Investment Co., with which John R. Crocker and R. C. Fulbright are identified, to the Southwestern Construction Co. of this city for the erection of the Texas Hotel at Texas avenue and Crawford street. The building will be 10 stories high, the contract price being \$750,000. James Ruskin Bailey of Houston is the architect.

### Power Company Has \$20,000,000 Program for Florida.

Miami, Fla.—A construction program for the fiscal year of 1926, to involve an expenditure of \$20,000,000, has been outlined by the Florida Power & Light Co., of which S. R. Inch of New York is president. Plans embrace nearly 700 miles of transmission lines, of 66,000 volts capacity, to reach from St. Augustine to Miami on the east coast and from Bradenton to Fort Myers on the west coast, the latter extending through Sarasota and Punta Gorda between the northern and southern extremities.

A major feature of construction will be additional plant capacity totaling 85,000 horsepower, three new main stations to be established this year. The largest of these will be located at Fort Lauderdale, where a plant of 65,000 horsepower is under construction. A 15,000-horsepower plant is also under construction at Sanford and a 5000-horsepower plant will be built on the west coast, location for which has not been determined. All these plants will be connected with the transmission lines referred to.

Several millions of dollars will be expended on the distribution systems at Miami and West Palm Beach, it is said, plants in these cities having already been enlarged. A big garage is also planned for Miami to house all gas-electric coaches operated by the Miami Transportation Co., a subsidiary of the Florida Power & Light Co.

### To Build \$5,000,000 Water Terminals at Houston.

Houston, Texas.—For the purpose of building water terminals at Houston, involving an expenditure of approximately \$5,000,000, the Carnegie Steel Co. of Pittsburgh, Pa., has acquired the Ruby-Colby estate here, comprising about 100 acres. The property adjoins the Southern Pacific-Port Clinton terminals, one of the largest terminal developments on the Houston ship channel, and will be utilized for the construction of docks and a series of warehouses. These are intended for use of all subsidiaries of the United States Steel Corporation, which plans to make Houston a distributing point for its products throughout southern Texas.

### Hampton Roads Exports Valued at \$190,000,000.

Norfolk, Va.—The value of exports from Hampton Roads during 1925 reached a total of more than \$190,000,000, according to figures announced by United States customs officials. Total exports from Norfolk during the year reached \$136,721,233; for the month of December, \$26,055,441. Exports from Newport News for the year were valued at \$53,288,686. The value of Norfolk's imports for 1925 was \$13,528,935, as against \$10,307,375 for 1924.

### Contract for \$300,000 Hotel at Lexington.

Lexington, Va.—The erection of a \$300,000 hotel and store building here has been undertaken by the Robert E. Lee Hotel Corporation, which has awarded general contract to the Wise Granite & Construction Co. of Richmond. The building will be six stories, 119 by 88 feet, of concrete and brick, with concrete foundations, wood and concrete floors and composition roof. Marcellus E. Wright of Richmond is the architect.

Clay and feldspar deposits of Georgia are described in reports published by the Geological Survey of Georgia, and clay deposits and the clay industry in North Carolina are described in Bulletin 13 of the North Carolina Geological and Economic Survey.



# Mississippi's Mineral Resources.\*

By DR. HENRY M. PAYNE, Consulting Engineer, American Mining Congress.

We read that in the early days of civilization a king from Asia Minor was visiting the king of Sparta, and noting the absence of walls around the city he inquired concerning the national defense. In reply, the Spartan king caused the army of Sparta to pass before his guest in review and as these proud freemen of a semi-constitutional monarchy marched by, he said, "There are the walls of Sparta."

So, when one asks me to point out the mineral resources of Mississippi, I reply, "Take a day train on any railroad in the state and look out of the window."

You continue to speak of Mississippi, and to permit others to speak of it, in terms of agriculture alone; yet the far-flung lines of electric power, the consolidation of weaker with stronger railroads, the extension of great systems of highways and the advance of constructive industry are already within your borders and knocking at your doors.

Let me remind you that 53.4 per cent of the total carload tonnage of the railroads of the United States consists of mining products. Let us eliminate coal from this vast tonnage, and we still have two and one-half times as much as all the products of agriculture, two and one-half times as much as all forestry products and eleven and one-half times as much as is supplied for transportation by the animal industry. It is, therefore, from no undue egotism that I say that the industries of mining and agriculture, basic as they are, must go hand in hand and cannot exist the one without the other. The miner must have the products of the farm for subsistence, but equally the farmer must have his plowshare and his disc harrow, his telephone and his electric power.

While you may not boast a Klondike or an anthracite coal field, nevertheless you have an abundance of valuable minerals whose development will add greatly to your commercial prestige; and remember that America's mineral resources are its industrial currency for future generations.

One of the principal of your non-metallic minerals is fuller's earth, extensively used in the purification of oils. Building stone, shales and brick-and-tile clays are found in abundance. Chert and road-building material are plentiful, especially in the northern part of the state. The bauxite deposits, extending south from Tippah county, in connection with the recent advent of hydro-electric power, offer an enticing field for new development. High-grade kaolins for electric porcelains, lavatories and similar whiteware are found in great diversity. Yellow ochre and barytes for paint pigments occur in abundance and are exceptionally pure; while the paint-pigment industry is in itself a growing one. Tripolite is found in Tishomingo county in sufficient quantity and quality to supply the needs of half the United States. Limestones for building and cement, as well as for agricultural purposes, are found in inexhaustible quantities in the northeastern counties, lying open and exposed along the railroads. A similar limestone deposit extends from Vicksburg to Waynesboro.

The rapid advances made in the art of electric smelting, and the development of sponge iron processes by the United States Bureau of Mines, open a new field for the charcoal iron and other ferrous ore beds in Benton and other north-central counties. The vast beds of lignite which cross the state from Louisiana offer a source of cheap producer gas for commercial enterprises, as well as the many utilizations of lignite itself as a fertilizer filler, as a sugar purifier and in many other commercial ramifications of industry. Along the Gulf coast the deposits of shell and silica sand, through recently

perfected processes, offer the raw material for commercial lime, cement and glass pig without fuel waste or expensive kilns. The glass pig may be shipped to distant centers or to Shreveport for refabrication.

One of the valuable resources, a mineral only commercially known for about 15 years past, is bentonite. You have, perhaps, met with it as antiphlogistine, a medical preparation, or heard of it as "Denver mud." It is volcanic ash which has weathered and which swells to more than five times its size when soaked in water, becoming a soft, creamy mass, like cornmeal mush. Its grains are so fine that they pass through an ordinary filter, and over one billion of them laid side by side would be required to dot a space one inch square. Its uses, in addition to medical preparations, are for cosmetics, toilet articles and soap filler. It has been found that soap may be made of one-half bentonite and still form a good lather, which is carried into the most minute crevices by the infinitesimal particles. Labels pasted on metal with bentonite glue will neither curl nor drop off. One part of bentonite is equal to five parts of fuller's earth.

Until very recently the occurrence of bentonite was considered to be a disaster, because, on account of its affinity for water, highways could not be constructed through it and railroad ballast disappeared into it like quicksand. Then someone discovered that it had value as a water softener, and great quantities of it are used today in the railroad water tanks of the West, where alkali water is a problem. Recently it has been learned that bentonite is absorbent—that is, it is selectively absorbent; or, when brought into contact with certain mixtures, it will select certain of the ingredients and leave the others in solution.

Reverting now for a moment to one of the great economic problems of the day, the maintenance of a supply of wood pulp for newspaper purposes, let me remind you that one great daily paper, such as the Chicago Daily Tribune, requires 75 acres of pulpwood to supply the pulp for one Sunday issue alone. The six week-day issues require 96 acres more. Thus, for one large daily alone 171 acres of timber land per week have been devastated. To grow these trees required 25 years in Canada, 20 years in south Maine, 15 years in Georgia and Mississippi. So rapidly are the reserves being exhausted that elaborate experiments are being made with the hardwoods of the South for paper pulp. Rice straw and sugar-cane bagasse find ready market for the same purpose.

Now, returning to bentonite: If we take a mixture of varnish, oil, glue and carbon black, the constituents of printer's ink, and loosen it by soaking in soda ash or caustic soda, the application of bentonite would absorb the carbon black, leaving the macerated newspaper decolorized and available for rerolling, with only a 10 per cent addition of new pulp into fresh paper stock. The application of this newly discovered process of de-inking old newspapers, which have hitherto passed into various grades of cardboard, opens a vista of astounding possibilities and value. One ton of bentonite will de-ink 10 tons of newspaper, and the total cost of the clay, the gathering of the papers and the process itself is less than that of new pulp, to say nothing of the economic value to the nation in the conservation of its forests.

A deposit of bentonite which I traced from Kentucky across Tennessee into Alabama has been further located by Dr. George W. Carver, the eminent negro chemist of Tuskegee, Ala., and has been found to extend into a large and exceptionally pure deposit near Montgomery, Ala., and as far south as Mobile. Following this lead, Malcolm Jones, the soil expert of the Gulf, Mobile & Northern Railroad, in collaboration

\*Address delivered before the Mississippi State Board of Development at Jackson on January 22.

with J. B. Haman, industrial agent of that road, has located extensive deposits of high-grade bentonite in several of the northern counties of Mississippi along the line of their road.

Smith county offers an abundant field for prospecting and the development of mica, phosphate rock and other minerals known to exist there. As stated in an address at Agricultural and Mechanical College in 1924, the development of potential oil fields and the extension of known structures, and soil surveys, should be encouraged by generous appropriations for the support of the State Geological Survey.

The Mississippi Valley should translate its natural resources into finished articles of commerce; the markets of the world lie beckoning. No long inland haul, with adverse mountain grades to cross, rises to handicap deliveries; no great and congested centers of population vie with you for labor; a mild and genial climate, with a rich delta soil capable of producing every food requirement, is your endowment; the greatest navigable inland waterway in the world lays its resources at your feet; already developed ports solicit your business; flood prevention and river regulation and health commissions add to your comfort and safety and direct the forces of Nature into beneficent channels, bearing golden streams of commerce to the constantly widening markets of Latin America and the Orient.

As its contribution to this work, the American Mining Congress has completed a survey of the undeveloped mineral resources of the South, and stands ready to co-operate to the best of its ability for the upbuilding of a widely diversified industry in Mississippi—a commercial development which will mean much to every city, town and hamlet in the state; which will add substantially to the assessable values in every county; which will offer added markets for agricultural products; which will increase the payrolls, and consequent spending power, of every individual in the state, and will bring Mississippi to the forefront as one of the great industrial states of the South.

On March 15 to 17 there will be held in Memphis, under the auspices of the Southern Division of the American Mining Congress, an industrial development conference for the purpose of bringing producer and consumer together; for the purpose of acquainting the investor with the wonderful raw materials awaiting development; for the purpose of discussing ways and means, problems and difficulties, and evolving a definite program for the happy marriage of eager capital and virgin resources.

As an indication of the rich and valuable program, I would indicate a few of the papers and discussions which will be read by investment bankers, railroad executives and some of America's greatest industrial leaders: "Opportunities in Southern Mineral Development," "Power in Industry," "Public vs. Private Operation of Industry," "The Epidemic of Legislation," "Development of Branch Line Transportation," "Freight Rates to New Mining Centers," "Development in Electric Smelting," "Financing Industrial Development," "Retarding Mineral Development by Erratic Taxation," "Neglected Issues in Labor Relations."

I want to do more than invite everyone to attend that meeting. I want to urge that as leaders of industry in Mississippi, as molders of public thought in industrial development, it is your duty not only to be present yourselves, but also to bring as many men as possible from every chamber of commerce and every other organization in your state to the Memphis meeting, which will be the greatest industrial meeting ever held in the South.

The American steamer Chilore, 571 feet in length and drawing 36 feet of water, recently left Norfolk, Va., with a cargo of approximately 20,000 tons of coal, said to be the largest cargo of coal ever shipped from that port.

## Naval Stores Industries Conference.

Arrangements for the 1926 get-together conference of the naval stores industries, to be held at New Orleans March 1, 2 and 3, have been announced in a program issued by a committee composed of Carl F. Speh of New Orleans, chairman, and J. E. Lockwood, Wilmington, Del., and J. C. Nash, Savannah. The main features are:

March 1 (Evening)—"Research as Applied to Industry," E. R. Weidlein, president, Mellon Institute, Pittsburgh, Pa.; "Research and the Turpentine Producers," T. A. Graham, president, Alabama Turpentine Producers Association, Atmore, Ala.

March 2—"Report on Pine Institute," O. H. L. Wernicke, president, Pine Institute of America, Inc., Gull Point, Fla.; "Reforestation and Forest Conservation," John W. LeMaistre, Jackson Lumber Company, Lockhart, Ala.; "Steam Distilling Gum Turpentine," A. S. Carr, president, A. S. Carr Company, Bainbridge, Ga.; "Co-ordinating Pine Forest Industries," J. K. Johnson, Great Southern Lumber Company, Bogalusa, La.; "Naval Stores Demonstration Work," F. P. Veitch and George P. Shingler, Jr., Bureau of Chemistry, Washington, D. C.; "Naval Stores Production Woods Work," R. D. Forbes and L. Wyman, United States Forest Service, Starke Experimental Station, Florida; "Reforestation and Turpentine Production Combined," Alex. Sessoms, president, Timber Products Company, Cogdell, Ga.; "Turpentine Research," C. C. Kessler, Mellon Institute; "Rosin Research," I. H. Odell, Jr., Mellon Institute; "Turpentines," P. C. Palmer, Newport News Company, Pensacola, Fla.

March 3—Report of Federal Relations Committee, Chairman J. C. Nash, Columbia Naval Stores Company, Savannah; report of Naval Stores Package Committee, Chairman R. M. Newton, Brooklyn, Miss.; report of Naval Stores Committee on Weights and Measures, Chairman H. L. Kayton, Savannah; report of Committee on Resolutions, Chairman O. A. Cosner, Central Commercial Company, Chicago, Ill.; election; banquet.

The guest of honor at the banquet will be R. B. Robinette, president of the National Paint, Oil and Varnish Association, and J. C. Nash will act as toastmaster.

## One Great Beach of North Carolina Said to Rival or Surpass Florida's.

Philadelphia, January 25.

*Editor Manufacturers Record:*

In your article in this week's MANUFACTURERS RECORD you state that the celebrated Daytona-Ormond beach in Florida is said by experts to be the most wonderful beach in the world.

I would like to inform you and the world that persons well qualified to pass on their merits give it as their opinion that the beach mentioned is in no respect superior, except by advertising, to the wonderful beach of Bogue Banks, Carteret county, North Carolina. The latter beach is as wide, if not wider; as hard, if not harder, and as long, if not longer. It is 24 miles long without a break. I have measured 525 feet in width at about low tide, and have often been unable to make an impression with my shoe heel.

When eastern North Carolina gets what it should have in the way of publicity, the Daytona beach will have to share its fame.

H. K. FORT.

## St. Petersburg Votes \$1,577,000 Port Bonds.

St. Petersburg, Fla.—A bond issue of \$1,577,000 has been voted by citizens of this city for the extension of port facilities here. As outlined in the MANUFACTURERS RECORD several weeks ago, it is planned to expend \$235,000 for dredging a turning basin to a depth of 27 feet; build a concrete pier 1000 feet long and 350 feet wide, with slips on either side, at a cost of \$824,000; build an additional warehouse on the present pier at a cost of \$432,000, and dredge the inner harbor at a cost of \$86,000.



## PETROLEUM PRODUCTION IN 1925.

### Total Output Around 764,000,000 Barrels— Increase of 7 Per Cent Over 1924.

Preliminary figures issued by the Bureau of Mines, compiled from reports of companies that operate gathering lines, show that 755,852,000 barrels of petroleum were transported from producing properties in the United States during the year 1925, indicating a total output for the year of approximately 764,000,000 barrels. This is an increase of 7 per cent over 1924 and of 4.3 per cent over the previous high figure of 1923.

Estimates indicate that the world production of crude oil in 1925 will be in excess of 1,060,000,000 barrels, and may possibly amount to 1,070,000,000 barrels. This is an increase of 5.5 per cent over the 1924 output.

Imports of crude petroleum during 1925 amounted to 62,005,000 barrels, a decrease from 1924 of 15,770,000 barrels, or 20 per cent. Exports during the year amounted to 13,353,000 barrels, a material decrease from 1924.

Prices of crude petroleum rose during the first part of the year, remained fairly constant until late summer, when lower prices were posted which remained fairly constant for the rest of the year. The closing prices, however, were considerably higher than at the beginning. For example, Mid-Continent oil was \$1.10 on January 1, 1925; rose to \$1.35 on January 22, to \$1.55 on January 30, to \$1.80 on February 12, but fell on August 27 to \$1.55, which price remained through December 31. It is probable that the average annual price at the well of all grades for 1925 was in the neighborhood of \$1.65, more than 20 cents above the 1924 price.

The year 1926 opened with great promise, which seems to be more justified than the customary optimism of years past, says the Bureau of Mines. The problem of overproduction has been largely removed, stocks have been reduced and prices have remained steady, with the result that earnings for 1925 were generally higher than for some years past. The danger of overproduction still exists, says the report.

The total production of gasoline by cracking during 1925 amounted to 2,880,476,000 gallons, or 26.5 per cent of the total production. The production of kerosene amounted to 2,510,334,000 gallons, a decline from 1924 production, and the production of gas and fuel oils was 15,279,072,000 gallons, an increase over 1924 of 1,819,103,000 gallons, or 13.5 per cent. The production of lubricants amounted to 1,301,016,000 gallons, an increase over 1924 of 146,089,000 gallons, or 13 per cent.

It is estimated that the seven principal petroleum states of the South produced in 1925 almost 427,000,000 barrels of crude oil, compared with about 388,000,000 in 1924, or an increase of about 10 per cent for last year. The production of these states in 1923 was 367,900,000 barrels and in 1922 was 332,300,000. Arkansas reported the greatest increase, from 46,028,000 in 1924 to 74,749,000 in 1925, while Oklahoma rose from 173,538,000 to 176,760,000 barrels, and Texas from 134,575,000 to 142,618,000.

The number of producing oil wells in the United States in 1925 was estimated by the Bureau of Mines at 16,527, compared with 14,587 in 1924.

Data on production in 1924 and 1925 is given as follows:

#### PRODUCTION OF CRUDE PETROLEUM BY FIELDS. (Barrels of 42 gallons.)

Field.	Final 1924.	Preliminary 1925.
Appalachian .....	27,056,000	27,270,000
Lima-Indiana .....	2,287,000	2,121,000
Illinois & S. W. Indiana .....	8,747,000	8,503,000
Mid-Continent .....	375,479,000	420,966,000
Gulf Coast .....	28,569,000	31,458,000
Rocky Mountain* .....	42,869,000	35,386,000
California .....	228,933,000	230,148,000
Totals .....	713,940,000	755,852,000

\*Includes Alaska and Utah.

#### PETROLEUM PRODUCTION BY STATES IN THE SOUTH AND UNITED STATES. (Barrels of 42 gallons.)

State.	Final 1924.	Preliminary 1925.
Arkansas .....	46,028,000	74,749,000
Kentucky .....	7,407,000	6,764,000
Louisiana .....	21,124,000	20,013,000
Oklahoma .....	173,538,000	176,760,000
Tennessee .....	10,000	23,000
Texas .....	134,522,000	142,618,000
West Virginia .....	5,920,000	5,776,000
Total South .....	388,549,000	426,703,000
California .....	228,933,000	230,148,000
Colorado .....	445,000	1,164,000
Illinois .....	8,081,000	7,856,000
Indiana .....	935,000	825,000
Kansas .....	28,836,000	38,284,000
Montana .....	2,815,000	4,029,000
New Mexico .....	98,000	976,000
New York .....	1,440,000	1,658,000
Ohio .....	6,811,000	7,168,000
Pennsylvania .....	7,486,000	7,824,000
Wyoming .....	39,498,000	29,217,000
Total United States .....	713,927,000	755,348,000

#### INDICATED DELIVERIES OF DOMESTIC AND FOREIGN CRUDE PETROLEUM TO DOMESTIC CONSUMERS. (Barrels.)

Domestic Petroleum by Fields of Origin:	1924.	1925.†
Appalachian .....	26,991,000	28,064,000
Lima-Indiana .....	2,044,000	2,371,000
Illinois and Southwest Indiana .....	8,967,000	8,791,000
Mid-Continent .....	368,686,000	435,088,000
Gulf Coast .....	32,709,000	32,395,000
Rocky Mountain .....	34,122,000*	35,078,000
Deliveries and Exports .....	473,519,000	541,787,000
Deliveries† .....	462,556,000	531,581,000
Foreign petroleum .....	78,056,000	62,136,000
Deliveries of domestic and foreign petroleum† .....	540,612,000	593,717,000

\*Including Alaska.

†Revised to exclude exports of crude petroleum from California.

‡Exclusive of California, for 1925.

#### INDICATED OUTPUT OF MOTOR FUEL IN THE UNITED STATES. (Gallons.)

	Total 1925.
Gasoline produced at refineries .....	10,886,100,000
Natural-gas gasoline produced at plants .....	1,104,900,000
Benzol production (approximate) .....	78,000,000
Less raw gasoline blended at refineries .....	721,900,000
Less raw gasoline run through refinery pipe lines .....	107,200,000
Total United States .....	11,239,900,000
Daily average .....	30,800,000

### Contract for Titusville Water-Works.

Titusville, Fla.—Contract has recently been awarded by the city of Titusville, J. P. Wilson, clerk, to the J. B. McCrary Co., Atlanta, Ga., for water-works improvements. The proposed work will include a 200,000-gallon reinforced concrete reservoir, 4.42 miles of 6 and 8 inch cast-iron mains, 2.17 miles of 1½ and 2 inch water lines, 14.35 tons of cast-iron specials, 48 hydrants, 48 six and eight inch valves, 18,000 feet of 3.4-inch galvanized iron pipe, 500 corporation cocks and goosenecks complete, and 735 curb cocks and meter boxes. Specifications were prepared by Henry B. Smith, Titusville. Labor and material will be furnished by the contractor.

### Plans Ready for \$400,000 Building.

Oklmulgee, Okla.—Plans being prepared by Smith & Senter of this city for a six-story office building to be erected here by J. W. McCulloch have practically been completed and bids for the building will soon be invited. The structure will be 102 by 95 feet, of reinforced concrete, with cut stone to the second-story line and face brick and terra cotta above. It will cost about \$400,00.

### To Erect 25 Dwellings at Albany.

Albany, Ga.—A contract has been awarded by the Dermot-Shemwell Company of Albany to the Bridges & Graves Co. of Indianapolis, Ind., for the erection of 25 dwellings here. The dwellings will be of frame, brick and stucco, and construction is expected to start within two weeks.

### Valuable Fertilizer From City Garbage.

By C. O. BARTLETT, Brecksville, Ohio.

According to Government reports, there are more than 75,000 less farms in the United States than there were five years ago. This is a condition that should receive the attention of everyone interested in the welfare of our country. Not only are our farms decreasing in number, but also in yields per acre. For example, the average yield of wheat in the United States is less than 15 bushels per acre, while Germany's yield is 32 bushels, or more than twice as much. Our average yield of rye is 16 bushels; Germany's average is 29 and Belgium's 35. The principal reason for this difference is in the use of fertilizer.

Maine, with its poor soil, is now raising more than 100 per cent more potatoes per acre than Michigan. Maine uses as high as 2000 pounds of fertilizer per acre; Michigan very little. Florida is a large producer of Irish potatoes, almost entirely through the use of commercial fertilizer, and what is true of the potato crop is true of other crops, especially cotton and citrus crops, and the increase in yield also increases the quality and earlier maturity. Therefore, the question of fertilizer is a very important one.

One very much neglected source of fertilizer comes from city garbage. The average ton of green garbage when properly reduced yields 400 pounds of dried garbage, containing all the necessary elements of fertilizer—ammonia, potash and lime phosphate in the natural state suitable for any kind of crop.

Very few realize the magnitude of garbage produced in our country. Two-thirds of our people are now living in cities and towns, and the average amount of garbage per city resident is one-half pound a day. A city of 200,000 will produce 50 tons of garbage a day. When properly reduced, this equals 10 tons of dried garbage a day, enough to fertilize 20 acres of grain.

Garbage also contains another valuable element. The average ton when properly reduced has 65 pounds of grease, present value 7 cents a pound, or \$4.55 for every ton of green garbage.

Secretary Hoover is doing an immense amount of good in advising and helping to prevent wastes, and I only hope he will not forget the saving of the values in city garbage. For instance, Washington now hauls its garbage miles away at large expense, reduces it in a crude way, presses out part of the grease, and then burns the pressed garbage.

Congressman Davey of Ohio, "the tree doctor," recently told New York city officials that the trees of their parks were dying for the want of plant food; no doubt this is true in many other cities, notwithstanding the fact that every city has plenty of fertilizer in its garbage to enrich the parks and also to help the nearby gardeners to produce vegetables. They are very much in need of this fertilizer, as their supply from livery stables is rapidly diminishing because of the increased use of autos and trucks.

Many believe that a garbage-reduction plant is a nuisance. This idea is absolutely wrong. A modern garbage-reduction plant is no more of a nuisance than an abattoir and it can be located in the business part of any city. If anyone doubts this, let him write the officials of Rochester, Syracuse or Schenectady and learn the facts. No other state in the Union has as good sanitary laws as New York.

### To Plant 15,000 Peach Trees.

Union, S. C.—Composed of 15 representative citizens, the Union Fruit Growers Association has been organized here with J. T. Bradley, president and manager; T. L. Estes, vice-president and assistant manager, and E. A. Goodwin, secretary and treasurer. A farm of 150 acres about two

miles from Union has been acquired and sold to members of the association, each receiving 10 acres. It is planned to set out 15,000 Elberta peach trees on the property, the cost of which will be borne proportionately by the owners. The plan further is to put the farm under the direction of a practical farmer, who will work under the supervision of state horticultural experts and the county farm demonstration agent.

### \$2,000,000 Pere Marquette Building.

Foundations have been completed for the new \$2,000,000 office building to be erected in New Orleans by the Pere Marquette Building Co., of which E. M. Loch is president, and contract for the superstructure has been awarded to the Ferro Concrete Construction Co. of Cincinnati, Ohio. The building will be 18 stories, 130 by 130 feet, with steel frame



18-STORY OFFICE STRUCTURE FOR NEW ORLEANS.

for 12 floors, reinforced concrete for six and concrete joists for all floors. It will have cement and marble tile floors, built-up roof, pile foundations, and will be equipped with six elevators. Contracts so far awarded have been let to W. Horace Williams Co., Inc., New Orleans, for foundation; American Terra Cotta & Ceramic Co., Chicago, terra cotta; John J. Palmisano, New Orleans, excavation; St. Louis Structural Steel Co., St. Louis, for structural steel, and to Ole K. Olsen, New Orleans, for reinforcing steel.

S. Scott Joy of Chicago is the architect, and William E. Spink of New Orleans, associate architect.



# Organization of Credit Unions in Georgia Promises to Be of Great Help.

Atlanta, Ga., February 12—[Special.]—With the completion of an executive committee and advisory council for the Georgia Association of Credit Unions, machinery has been installed whereby it is hoped that credit unions can be established in all the leading industrial plants and business houses of Georgia. The committee consists of Herbert E. Choate, formerly treasurer of the J. K. Orr Shoe Company, chairman; P. E. Glenn, secretary of the Exposition Cotton Mills; J. P. McGrath, secretary of the Georgia Manufacturers' Association; E. K. Large, postmaster of Atlanta; H. G. Hastings and Henry Johnson. George Deibert is executive secretary.

The advisory council consists of 42 members from as many as twelve different industrial centers in the state. Among the prominent men on this council are F. H. Abbott, secretary of the Georgia Association; J. E. Conwell, president of the Cotton Growers Co-operative Association in Georgia; Jackson P. Dick, vice-president of the Georgia Railway & Power Co.; James A. Holloman, editorial writer for the Atlanta Constitution; William M. McLaurine, secretary of the Cotton Manufacturers' Association of Georgia; R. A. Magill of Bean and Magill, printers; Dr. Andrew M. Soule, president of the Georgia State College of Agriculture; Hal M. Stanley, commissioner of Commerce and Labor for Georgia, and W. J. Vereen, president of the American Cotton Manufacturers' Association. Practically every line of business and industry in the state is represented on the council.

Without any state-wide organization or leadership other than that of a few interested individuals, charters have been issued already for four credit unions in Atlanta, and three credit unions are now in actual operation. The oldest of these, the Atlanta Postal Credit Union, has had a remarkable record of success. Established in November, a little more than two months and a half ago, its membership has increased from 125 to 250. Fifty loans have been made, ranging from \$25 to \$200, and a total of approximately \$5000 has been loaned out to members of the organization. The Atlanta Postal Credit Union lends money only upon endorsement, and charges 1 per cent a month upon unpaid balances, and according to all reports has been an important factor in keeping employes out of the hands of the loan shark and encouraging them to start saving accounts.

The second Atlanta organization of this character—the Public Service Credit Union—was organized on January 12 by the officials and employes of the Georgia Railway & Power Co. While starting out with only 30 members and a subscription of only 173 shares of stock with a value of \$5 a share, members believe that in a few years they can enlist a majority of the 5300 employes of the company and have one of the strongest credit unions in the South. The plan is to operate a savings bank as a part of the organization, paying 4 per cent on money deposited and lending money out at 6 per cent, the remaining 2 per cent paying for maintenance. It also contemplates the making of two kinds of loans—a character loan up to \$50 and an indorsed loan up to a total of \$250. No member can hold more than 100 shares of stock in the union or have more than \$500 on deposit in the bank at any one time.

The third credit union in Atlanta was organized on January 18 by officials and employes of the Atlanta, Birmingham & Atlantic Railway, a road operating some 640 miles of track and having approximately 2000 employes. This one is designed to work in conjunction with a benefit association already maintained by the road, and it is believed that 1500 of the 2000 employes can be signed up by the close of the year.

A charter has been applied for by the Southern Bell Telephone & Telegraph Co., which maintains district head-

quarters here and is one of the largest employers of labor in the state.

As yet only the largest companies have organized. Much remains to be done. But with business and industrial leaders getting behind the movement, a great deal should be accomplished in Georgia this year for the establishment of the credit union and the elimination of the loan shark.

## Making Good Use of a Co-operative Warehouse in South Georgia.

The prosperity of south Georgia is in part explained by the accompanying photograph, made in the Banner Warehouse at Tifton, Ga. The warehouse is operated on a co-operative basis; it was filled with tobacco during the season and later was used for the accumulation and storage of



PEANUTS AND CORN IN A GEORGIA WAREHOUSE.

other products of the surrounding farms. The county agent made his headquarters here and aided the farmers in disposing of their produce which was accumulated at this point and shipped, in most cases in carload lots, at regular intervals or when marketing conditions were best.

In the foreground of the picture is a pile of 100 tons of peanuts and in the extreme back is seen the top of another pile containing 550 tons. In the middle of the building is 2300 bushels of corn. At the extreme right is the end of a row of crates of sweet potatoes; sweet potatoes were being shipped from this warehouse at the rate of a carload a week when this photograph was made. At the extreme back of the warehouse, but not shown in the picture, is 200 tons of cottonseed.

## Monthly Production of Steel Ingots.

Following is the monthly production of steel ingots from January, 1925 to January, 1926, as reported to the American Iron and Steel Institute by companies which made 94.43 per cent of the steel ingot production in 1924:

Months	Open-hearth	Bessemer	All other	Monthly production companies reporting	Calculated monthly production all companies	No. of work-ing days	Approximate monthly production all companies gross tons
1925							
Jan. ....	3,262,748	689,996	11,960	3,964,704	4,198,564	23	155,500
Feb. ....	2,931,964	602,042	13,014	3,547,020	3,756,243	24	156,510
March ....	3,336,189	614,860	13,633	3,964,662	4,198,520	26	161,482
April ....	2,857,802	515,715	14,182	3,387,699	3,587,524	26	137,982
May ....	2,754,130	497,708	13,790	3,265,628	3,458,253	26	135,010
June ....	2,538,988	476,945	12,490	3,028,423	3,207,056	26	123,349
July ....	2,444,969	457,095	13,547	2,915,611	3,087,590	26	118,753
Aug. ....	2,606,667	523,734	12,914	3,233,315	3,424,034	26	131,694
Sept. ....	2,737,251	547,121	13,977	3,298,349	3,492,904	26	134,342
Oct. ....	3,075,995	584,567	13,624	3,676,186	3,893,023	27	144,186
Nov. ....	3,091,361	581,347	17,085	3,689,793	3,907,437	25	156,297
Dec. ....	3,169,224	569,304	15,843	3,754,371	3,975,824	26	152,916
Total. ....	34,897,268	6,660,434	168,059	41,725,761	44,186,977	311	142,080
1926							
Jan. ....	3,326,846	581,683	13,664	3,922,193	4,153,545	26	159,752

## NEWS AND VIEWS FROM OUR READERS

[Publication in this department of letters from our readers does not mean that we either approve or disapprove the views expressed. We believe in a full and frank discussion of the mighty questions of the hour, for only in this way can the truth be found. Therefore we often publish letters with which we do not agree.—Editor Manufacturers Record.]

### A Description of a "Fanatic."

R. P. JOHNSON, Wytheville, Va.

*Copy of a letter to E. F. Watson, Burnsville, N. C.*

I note with great pleasure, and have read with great interest, your letter to the MANUFACTURERS RECORD of December 14, which was printed on the first page of that issue. I want to commend you for your open, manly letter, and I can attest to the truthfulness of every word of it.

While they were building the Clinchfield road through your section, it was my privilege to be in your town quite often and in that vicinity, and I know well what conditions were at that time. I was there again recently. In fact, I motored all through your mountains, and I never saw such a marked improvement in a country anywhere, and it is largely due to the suppression of liquor traffic and the prosperous condition of your people.

There are only about 5 per cent of the people in this country who are opposed to Prohibition, but they are a noisy minority and make a lot of noise about it. There is no sincerity about them; they are only seeking cheap notoriety. Over 40 years ago, when local option first became a law in Virginia, well do I remember the fights we had here in our town to abolish the open saloons and how we were denounced as fanatics, and that such a movement was only championed by long-haired men and short-haired women; but today the fanatic is one of the most useful persons we have in our section. A true definition of him is that he is a person who is looking after the comfort, pleasure and welfare of his fellow-men without expecting any reward.

Before closing I must give emphasis to the great work that is being done by the MANUFACTURERS RECORD in this reform. This publication not only has done more for the South than any other publication in the nation, but it also has done likewise more than any other publication for the South along the lines toward promoting Prohibition. I am personally acquainted with the editor and recognize him as one of our greatest benefactors in the sacrifice and unselfish work that he has done toward promoting Prohibition, especially in the South.

I cannot refrain from complimenting you on your manly letter, and thank you for it.

### Wants Information About Courthouse Building.

C. B. GREGG, Judge of the County and Probate Courts.  
Jonesboro, Ark.

If we get our courthouse proposition on what might be termed a going proposition, I will be glad to use your paper to aid us in selling bonds and reaching contractors.

We have a plan out of the ordinary, out of which we hope to develop a courthouse, but with our present Constitution, our limited tax limit, we are going to have to twist and plan to get it. But where there is a will, I am told, there is a way. I would really be glad to go into details with your expert and get the benefit of your service. I am sure he might help us.

I want to commend your comment on David Holmes Morton's article relative to Al Smith for President. You are exactly right, and the Solid South will blow up before they will swallow Al Smith for that office.

### American Children Are Openly Incited to Rebellion and Communism.

FRANCIS RALSTON WELSH, Philadelphia.

In order to stir up trouble in the schools and teach children to rebel, as a preliminary to teaching them to disobey their parents, throw overboard all morality and rebel against law and government, the Communists have issued a Bulletin for Teachers of Communist Children's Sections. This is published in London and is being distributed by Communists in the United States. One article is entitled "How a School Strike Should Be Organized."

First, dissatisfaction over anything is to be instilled into the children's minds, and then into the minds of the parents. The children are to be taught tales to tell their parents. Then, efforts are to be made to convince the parents of the necessity of a strike. The pamphlet continues:

"This, of course, does not mean that no action is to be taken without the consent of the parent. If the children are for the strike, i. e., if the 'mood' is such that the majority of the children of the respective schools are sure to carry out the 'down tools' policy, and only a few 'strikebreakers' are in prospect, the strike should certainly be declared, even if the parents are against it. Vacillations in this respect are tantamount to partial defeat."

Rough treatment of children who continue at school is advocated.

The moment most promising of success is to be seized, when the children are in a good fighting spirit, because, it is stated, moods with children are not lasting. Having brought about one strike, others are to be worked up. The pamphlet continues:

"Once success is achieved \* \* \* the children will have gained confidence and the ground will have been prepared for a struggle for the other demands, for instance: Abolition of home work, removal of patriotic pictures from the school rooms, down with patriotic teaching and patriotic songs, with lessons of religion and military school discipline, etc."

This is all in preparation for Communist civil war and a seizure of power by the Communists.

The program of the Communist leaders is, perhaps, the most brutally selfish ever known in history.

### The South Needs No Foreign Immigration.

B. P. TEMPLETON, Delvalle, Texas.

I am writing to congratulate you on your editorial, "The South Needs No Increase in Foreign Immigration." We never wanted any who did not speak our language. After the rebellion in Europe in 1848, when so many Germans were exiled and many had to make their escape to save their lives, Texas offered them a refuge and other inducements to come; that is the reason there are so many Germans in Texas—and most of them are good Americans today.

Every word you said in that article is the solemn truth. If we can tie a man down to the land, or a home of his own in the towns and cities, there is no danger of him ever becoming a Communist, Socialist, Anarchist or Bolshevik, or all of them in one. Tie him down on his own land, and there is not much danger of him becoming a burglar, robber, safe-blaster or an assassin—he will more readily obey the laws and be a better citizen every way.



# THE IRON AND STEEL SITUATION

## Steel Market in Good Shape.

Pittsburgh, February 15—[Special.]—Steel market activity continues its slow pace of improvement. The disappointment lately felt in steel circles over the fact that business did not open up with a rush after the year-end lull seems to have been out of place, for the market situation is really giving a good account of itself, as measured by actual statistics.

In the first place, steel ingot production in January was at 4.4 per cent above the December rate, 2.2 per cent above the November rate and 3.3 per cent above the average rate in the two months. The January rate was indeed the highest on record for any month, excepting only March, 1925, and March, 1924. Obviously, a decrease is to be expected in the circumstances, but not the sharp decrease that followed other recent bulges in production, as there are not the same stocks in buyers' hands to be liquidated. With a rate February to June only 8 per cent below the rate of the last three months, the production in eight months, November to June, inclusive, would be just equal to the highest record ever shown for eight consecutive months, in the first eight months of 1923, and there is no visible reason why this record should not be equaled or even exceeded.

The United States Steel Corporation showed monthly increases in unfilled obligations for four months through December, the total increase being 1,520,561 tons, while the December increase alone was 451,584 tons. Now the report for January shows a decrease of 150,625 tons, which makes an unfavorable change from December to the extent of 600,000 tons. Nevertheless, the January decrease is less than might have been estimated from mill talk during the month, considering also that much first-quarter business had been done and there was no occasion for contracting in January, there being also the point that shipments increased. The Corporation's shipments may be estimated at 85 per cent of capacity for November and December and 90 per cent for January.

The general run of buying and specifying by jobbers and manufacturing consumers is practically all that should be expected, and does not suggest that previous expectations as to heavy steel consumption should be modified. There is only one exception to this statement, that relating to the automobile trade, which has not been limbering up in keeping with predictions made by the trade itself. Steel producers, however, are now remarking that it was individual automobile and parts makers who were predicting large increases in their own operations, and the suggestion now is that it is a question of seeing who wins and who loses.

The Pacific Fruit Express has ordered 5043 refrigerator cars, which makes a total of about 14,400 freight cars bought since the first of the year. For a general view it may be said that for five months up to November 1 freight-car buying was almost negligible and the car shops almost ran out of orders, while since November 1 buying has been at a rate of about 12,000 cars a month, which is well above average rates in recent years. There are no prognostications as to car buying in future. This will depend upon individual needs for particular types of cars and upon the closeness with which car shops figure their bids.

Fabricated structural steel lettings ran very heavy up to the close of last year, and thus far this year have run at less than 15 per cent below the average last year, which was record high by 12 per cent.

The settling of the anthracite suspension brought within a couple of hours many cancellations of purchases of Connells-ville coke for Eastern shipment, and there will hardly be an actual trading market developed before the middle of this

week. Buyers were committing themselves only on very early shipments, and thus the operators have little backlog. Even with sharp curtailment of production an accumulation can hardly be avoided.

The market before the settlement had been \$11 to \$11.50 for run of oven coke and \$13 to \$13.50 for yard crushed. Highest authenticated prices in the movement, as actually paid to operators, were \$12.50 for run of oven and \$14.50 for yard crushed.

The blast furnaces will not be materially affected by the anthracite settlement and the bursting of the coke boom. They are covered for the quarter at prices averaging about \$4. Several were banked, to release coke for sale in the East, and these will now resume. The net result was to decrease production and reduce furnace stocks, so that pig-iron is in a stronger statistical position. The market has been at \$21 for Bessemer, \$20 for basic and \$20.50 for foundry, f. o. b. valley furnaces, since the fore part of November.

## Further Activity Manifest for Second Quarter.

Birmingham, Ala., February 15—[Special.]—The probable make of pig-iron during the first half of the year in Alabama will find a ready demand, it is now to be asserted. Sales already made for delivery during the second quarter of the year and inquiries in hand promise to develop into business that will call for a very large tonnage. The demand for foundry iron is being met by those companies manufacturing this class of iron exclusively, and this has significance. The larger melters of iron are looking forward to an active second quarter and preparations are being made for a steady supply of the product. Quotations have been maintained at \$22 per ton, No. 2 foundry, with \$23 being asked for the smaller quantities. Production will have to be kept steady, it is repeated, there being no foundry iron on yards and the shipments or melt in the home territory being equal to the make. It is believed that the production can be maintained, inasmuch as the blast furnaces in operation are apparently in good condition and there is no immediate need for repairing. The make of all kinds of iron showed a small reduction in January as compared to the previous month. This is accounted for in the fact that one of the blast furnaces of the Tennessee Coal, Iron & Railroad Co. at Ensley, producing basic iron, was blown out for relining and repairing. It is not unlikely that a recovery in the production will be noted during this month, though a short month is always felt.

A survey shows that some of the interests using pig-iron in their daily operations have much business in hand and numerous specifications in sight. The cast-iron pressure-pipe makers present the strongest front so far as needs for pig-iron are concerned. There is hope that the soil-pipe and fittings trade will show an early improvement. The stove makers of not only this immediate section but in other parts of this country, but using Southern iron, report steady production, with the prospects bright for the year. The Birmingham Stove & Range Co. did upward of \$1,000,000 worth of business last year and expects to handle not less than \$1,250,000 during 1926. This concern not long back took up the manufacture of gas ranges, using sheet steel from the new mill of the Tennessee Coal, Iron & Railroad. Campaigns are waged with the Southern gas ranges in various cities, Memphis alone taking two solid cars recently. Northern manufacturers for years have practically had this market. The middle West, Illinois for instance, is using considerable Southern iron in the manufacture of stoves, and shipments of the product via Tennessee River, and thence Mississippi

and other rivers into the middle West, holds down freight rates on this iron.

Other interests are looking forward to a healthy need of iron, the first approach of spring to bring about a considerable impetus in the demand.

The basic iron production will also be maintained, as the open-hearth furnaces are requiring much iron. The Tennessee Coal, Iron & Railroad Co. has a large array of orders for various shapes of steel, and its mills and works will continue in practically full operation for some time to come. The Gulf States Steel Company has one blast furnace and five out of its six open-hearth furnaces at work. The finishing mills of this company are also active and a better market condition is reported with the independent company. The numerous mills and works of the Tennessee Company are producing large quantities of steel, rail being shipped from the Ensley mills in quantities and being laid by railroads not far from the Birmingham district. The orders for rail and other requirements by the railroads, including the steel accessories, have been received here in great tonnages, and many months of active production will be seen. The sheet mill is finding a ready market for its product, and the same is to be said of the other new industries.

A good start is being made on the program announced several weeks back by the Tennessee Coal, Iron & Railroad Co., including four additional open-hearth furnaces, two blast furnaces, 77 additional by-product coke ovens, a large power plant and other improvements. It is not expected that these developments will be completed before the end of the year. A large force of men will be employed on the construction work.

The Alabama By-Products Corporation has been considering an addition of 50 ovens to its plant.

Reports have been current in Birmingham of mergers or the buying out of one coal and pig-iron producing company by another. The purchasing of stock in New York was noted and many comments are to be heard as to the probable outcome.

The coal-mining industry is still very active. Production has been satisfactory again the past week and the transportation facilities good.

The coke market is strong. Every ton offered on the open market is selling. The local consumption shows very little deflection and there is need for much coke outside of the territory.

The old-material market continues weak; that is, new business is rather light. Much scrap is moving constantly, unfilled tonnage with the dealers in this commodity being of proportions. Quotations are reported weak, but very little change is announced in the levels. Heavy melting steel still holds \$14 per ton. Much old material is being melted.

Pig-iron and iron and steel scrap quotations follow:

#### PIG IRON.

No. 2 foundry, 1.75 to 2.25 per cent silicon, f. o. b. furnaces, \$22 to \$23; No. 1 foundry, 2.25 to 2.75 per cent silicon, \$22.50 to \$23.50; iron of 2.75 to 3.25 per cent silicon, \$23 to \$24; iron of 3.25 to 3.75 per cent silicon, \$23.50 to \$24.50; iron of 3.75 to 4.25 per cent silicon, \$24 to \$25; charcoal iron f. o. b. furnaces, \$30 to \$32.

#### OLD MATERIAL.

Old steel axles.....	\$19.00 to \$20.00
Old iron axles.....	18.00 to 18.50
Old steel rails.....	14.00 to 15.00
Heavy melting steel.....	14.00 to 15.00
No. 1 cast.....	17.00 to 18.00
Stove plate.....	14.00 to 15.00
No. 1 R. R. wrought.....	13.00 to 14.00
Old car wheels.....	16.00 to 16.50
Old tramcar wheels.....	17.00 to 17.50
Machine shop turnings.....	8.00 to 8.50
Cast iron borings.....	8.00 to 9.00
Cast iron borings (Chem.).....	15.50 to 16.50

David R. Grace of St. Petersburg and Pinellas Park, Fla., plans to erect a 12-story office building with storerooms at Fifth avenue and 6th street, St. Petersburg.

## RAILROADS

### A Georgia Short Line Would Build to the Gulf in Florida.

W. M. Legg, president and general manager of the Georgia Southwestern & Gulf Railroad, Albany, Ga., is quoted in a press report from there as saying that plans are being made to build an extension from Albany southwest to Panama City, Fla., on St. Andrews Bay, about 150 miles, and also from Cordele northeast to Tennille and Sandersville, Ga., about 100 miles, to connect with the Georgia & Florida Railroad. An application is now being prepared to submit to the Interstate Commerce Commission asking permission to build the line to Panama City, which will cost about \$6,000,000. The other extension is to be built later.

The present line of the Georgia Southwestern & Gulf Railroad, from Albany to Cordele, Ga., is only 35 $\frac{3}{4}$  miles long. It was formerly known as the Albany & Northern Railway. The idea of extending it to St. Andrews Bay on the Gulf of Mexico is spurred by the fact that the bay is a fine, land-locked harbor and is in a growing section of Florida. Besides, the country through which the extension would be made is rich in possibilities as to farming and also as to gathering of naval stores.

Plans to build this extension were well advanced just before the beginning of the World War in 1914, but the general disturbance of financial affairs which followed that outbreak prevented their execution.

There is only one railroad into Panama City, Fla., at present—the Atlanta & St. Andrew's Bay Railway, which is 82 miles long from Dothan, Ala., and which connects with the Central of Georgia Railway, the Atlantic Coast Line and the Louisville & Nashville Railroad. Should an arrangement be made between this line and the Georgia Southwestern & Gulf Railroad to run trains from Albany to Panama City, the latter line would not have to build more than 80 or 85 miles of new railroad to make the necessary connection.

### Both Rock Island and Santa Fe Systems May Build in New Texas Oil Country.

Amarillo, Texas, February 12—[Special.]—Following practically the same route that the Chicago, Rock Island & Pacific Railway has surveyed for a part of its proposed line between Amarillo, Texas, and Liberal, Kan., the Atchison, Topeka & Santa Fe system has engineers in the field making a survey for a branch line between Amarillo and Spearman, Texas, about 100 miles. The application of the Rock Island for a permit to construct the railroad is now pending before the Interstate Commerce Commission and is being protested by the Santa Fe. The surveyed route of the Rock Island passes about 15 miles to the west of Spearman, while that of the Santa Fe connects with the latter's branch line at Spearman. Situated about midway between Amarillo and Spearman is the large natural-gas and oil field of Hutchison county.

### Southern Pacific Revising 11 Miles of Line.

Construction of a revised line on the Southern Pacific Railway between Langtry and Osman, Texas, 11 miles, has begun. This change, which is on the route between San Antonio and El Paso, will result in putting the tracks on higher ground, where they will not be liable to damage by floods, and grades and curves will also be reduced. The improvement will cost about \$900,000. It may be completed this year.



## LOUISVILLE & NASHVILLE-CLINCHFIELD LINK.

### Plan Filed for a Quick Connection to Be Followed by Better Route Later On.

Additional particulars concerning the proposed connecting railroad from the Louisville & Nashville system to the Clinchfield Railroad reveal that the immediate purpose of the Louisville & Nashville is to build 14 miles of new line from Chevrolet, Ky., to Hagans, Va., on its Cumberland Valley division, which would be followed from that point to Norton, Va., 45 miles, whence traffic would go over the Interstate Railroad 18 miles to Miller Yard, on the Clinchfield Railroad, a total distance of 67 miles from Chevrolet. The construction involved in this connection would cost, it is stated, nearly \$5,300,000, and it would afford an immediate connection between the Louisville & Nashville and the Atlantic Coast Line systems via the Interstate Railroad and at a comparatively low cost. It was found that to build a line from McRoberts, Ky., to the Clinchfield Railroad as at first contemplated would not at present be economically possible or in the public interest, according to the company's application to the Interstate Commerce Commission.

It is, however, found that the line from Chevrolet to Hagans can be extended to Speer's Ferry, Va., 40 miles, at a cost of about \$10,400,000, making a total length for the connection from Chevrolet of about 54 miles or a little less, and it is anticipated that this will be eventually built, making not only a shorter connection but striking the Clinchfield at Speer's Ferry 27½ miles farther south than Miller Yard and just that much nearer the Atlantic Coast Line Railroad.

It was also discovered by the surveys that the best route for a connection between the Eastern Kentucky division of the Louisville & Nashville Railroad in the vicinity of McRoberts would be by building a new line from Wentworth 5½ miles to connect with the Sandy Valley & Elkhorn Railway of the Chesapeake & Ohio system, following that for 5½ miles and then building a connection of about 15 miles to Elkhorn City on the Clinchfield Route, the new construction under this plan approximating \$5,650,000.

### Tennessee Central's \$3,000,000 Bonds for Improvements.

The Tennessee Central Railway Co. has sold \$3,000,000 of 6 per cent first mortgage bonds, Series A, which are being offered to investors by White, Weld & Co. of New York city, the American National Co. of Nashville, Tenn., and Joe B. Palmer & Co., also of Nashville. The proceeds of their sale are, it is stated, to be used for carrying out improvements and other expenditures recommended by Coverdale & Colpitts, engineers. The road is about 300 miles long and connects with the Illinois Central Railroad, the Louisville & Nashville Railroad and the Southern Railway. H. W. Stanley of Nashville is president.

### Chesapeake & Ohio Railway to Connect With the Virginian.

The Chesapeake & Ohio Railway has applied to the Interstate Commerce Commission for authority to build a line from Edwight to Surveyor, W. Va., 19 miles, connecting at the latter point with the Virginian Railway. This construction will be all in Raleigh county. Edwight is on the Cabin Creek branch of the Chesapeake & Ohio.

Other plans of the Chesapeake & Ohio Railway to connect with the Virginian Railway consist of the proposed lines from Elmore to Gilbert, W. Va., 42 miles, on which construction is reported in progress, and from Hinton to Rich Creek, 27 miles, along New River.

## New Equipment.

Florida East Coast Railway has awarded another contract for 6 eight-wheel switching locomotives to the Baldwin Works, making a total of 12 ordered since January 1. The company is also reported in the market for 23 Mountain type locomotives of a new and heavier type.

New York Central Railroad is reported in the market for 500 box cars of 55 tons capacity.

Southern Pacific Lines are reported getting prices for about 25 heavy locomotives.

## Oyster Shells for Ballast and Heavier Rails.

Kingsville, Texas, February 12—[Special.]—Oyster shells will be used by the Missouri Pacific Railroad to reballast the Gulf Coast Line between Houston and Brownsville. An extensive bed of oyster shells is being opened at Seadrift and a large wharf is being built there to handle the shells. The W. D. Haden Company of Houston has been given the contract for dredging the oyster shells from the bed in San Antonio Bay. The track of the Gulf Coast Line is also being relaid with 90-pound steel. When these improvements are finished, the road will be on a par with other parts of the Missouri Pacific system, it is stated.

## Freight Loadings Increasing.

Loading of revenue freight for the week ended on January 30 totaled 925,263 cars, according to reports just filed by the railroads with the Car Service Division of the American Railway Association. This was an increase of 27,895 cars over the corresponding week in 1925, but a decrease of 4360 cars under the corresponding week in 1924. The total was, however, an increase of 3529 cars over the preceding week this year, increases being reported in the total loading of all commodities except grain and grain products, coke, ore and miscellaneous freight, which showed slight decreases. The total number of cars loaded during the first five weeks this year was 4,432,010. For the same period of last year the total was 4,456,949, and in the same period of 1924 a total of 4,294,270 cars was recorded.

## Missouri Pacific's Track and Telephone Improvement Plans Are Big.

The Missouri Pacific Railroad this year will carry out its biggest rail-laying program, L. W. Baldwin, president, announces. Excepting last year, rail purchases for 1926 are heavier by 35 per cent than in any other year of the railroad's history. New and relay rail will be laid on 511 track miles, 7.1 per cent of the railroad's main-track mileage. All the new rail is heavy, 90 per cent being 90-pound and the remainder 85-pound. Four million tie plates and 200,000 rail anchors also will be used in the track improvement. This represents a 33½ per cent increase in tie plates and a 100 per cent increase in rail anchors over last year. The program is now under way and will be completed in August.

Working in conjunction with the Western Union Telegraph Company, the Missouri Pacific reconstructed and repaired 740 miles of its telephone and telegraph line last year, J. C. Browne, superintendent of telegraph says, much iron wire being replaced with copper. The program for 1926 calls for repair and reconstruction of 649 miles.

A bond issue of \$472,000 of the general construction loan of 1924 has been sold by the state of Maryland, John M. Dennis, Treasurer, to Eldredge & Co., New York, at 103.172, the bonds to bear an interest rate of 4½ per cent.

## GOOD ROADS AND STREETS

### \$1,000,000 Bridge Under Construction at Palmetto.

By R. S. CAMPBELL, Secretary, Palmetto Chamber of Commerce, Palmetto, Fla.

The biggest single project to be started in Palmetto in the past year was the \$1,000,000 concrete bridge across the Manatee River, which is being built by the Florida State Road Department.

This structure will be 34 feet wide and one mile long. When the bridge is completed, early next fall, it will replace



SECTION OF \$1,000,000 BRIDGE UNDER CONSTRUCTION OVER MANATEE RIVER, BETWEEN PALMETTO AND BRADENTON.

the present wooden bridge, which was built about eight years ago to take the place of the ferryboats that operated from the north side of the river to the county-seat on the south side.

The new bridge will connect Palmetto with all cities on the Tamiami Trail south to Miami. The travel across Manatee River is from the Tamiami Trail or State Road No. 5 and the Bayshore Drive from Tampa, which converge in Palmetto on Lemon avenue, the street leading to the bridge. A recent count by the State Highway Department of the cars traveling this street disclosed that it is the second heaviest traveled section of highway in the state.

The C. F. Lytle Construction Co. has the general contract for the bridge. A large force is at work day and night and will continue to rush the work just as fast as material can be secured. The plans of the bridge call for 116 concrete piers, besides the large abutments at each end.

In addition to the building of the bridge, Manatee county has voted a \$100,000 bond issue with which to make a fill for a distance of 630 feet on the Bradenton side and 930 feet on the Palmetto side as an approach to the main structure.

Nothing has increased real estate values in Palmetto so much as the starting of the bridge; after it is completed many people who have their business on the south side of the river will presumably build homes along the shores of Palmetto's beautiful waterfront.

### Kentucky County Plans \$300,000 Bond Issue.

Flemingsburg, Ky.—A petition recently filed with the Fleming County Court, requesting an election March 6 on a bond issue of \$125,000, has been withdrawn and a new petition asking for a vote on \$300,000 of bonds has been filed. Date of election has not yet been determined.

### Bossier Parish Offers \$1,389,500 Bonds.

Benton, La.—Bids will be received until March 9 by the Bossier Parish Police Jury, at its office here, for the purchase of \$1,389,500 of bonds of the consolidated road district. The bonds will be issued in denominations of \$1000 and will bear an interest rate of 5 per cent.

### 34 Miles to Cost Over \$300,000.

Frankfort, Ky.—Contracts have been awarded by the State Highway Commission for grade and drain work on six road projects, covering more than 34 miles and to cost more than of \$300,000. Specific projects include 4.147 miles in Hardin county, 3.590 miles in Madison, 15.313 miles in Graves, 6.933 miles in Hickman, 2.986 miles of the Fulton-Clinton road in Fulton county and 1.477 miles of the Fulton-Mayfield road in the same county.

### Steel Bridge Over Yadkin River.

Albemarle, N. C.—Contract has been awarded by R. L. Smith and A. F. Biles of this city for the construction of a steel toll bridge to be erected over the Yadkin River at Stokes Ferry. The bridge will be 58 feet long and 12 feet wide, supported by concrete piers. It will connect through highways from Albemarle to Lexington, from Albemarle to Asheboro and from Troy to Salisbury. Work is to be started not later than March 20 and is to be completed by July 1.

### Contracts for 140 Miles in Missouri.

Jefferson City, Mo.—Contracts have been awarded by the Missouri State Highway Commission for upward of 140 miles of road construction in various counties of the state and for building a 92-foot bridge in Buchanan county. Road work will consist of approximately 28 miles of concrete highway, 41 miles of graded earthwork, 68 miles of gravel roads and more than one-half mile of amiesite construction. Tentative contracts have also been awarded for two graded earth projects embracing a total of more than 7 miles.

### To Expend \$1,164,000 on Harahan Bridge.

Memphis, Tenn.—An agreement signed by officials of Arkansas and Tennessee assures the expenditure of \$1,164,000 for the construction of a viaduct approach on the Arkansas side of the Harahan bridge spanning the Mississippi River here, for widening the bridge proper and for improvements on the Tennessee side of the structure. Cost of the work will be divided as follows: City of Memphis, \$369,000; viaduct improvement district, \$220,000; Arkansas Federal-aid fund, \$291,000; Tennessee Federal-aid fund, \$213,000, and tolls collected on the present viaduct, \$71,000. The agreement was signed by C. N. Bass, Nashville, acting state highway commissioner of Tennessee; Frank Thompson, Nashville, Attorney General; Herbert R. Wilson, Little Rock, State Highway Commissioner of Arkansas, and Mayor Rowlett Paine, Memphis.

### Notes on Good Roads Construction.

Stephens County Commissioners, Toccoa, Ga., have called an election for February 20 on a bond issue of \$200,000 for the construction of roads.

A street-paving program to cover the construction of approximately ten miles of streets at an estimated cost of \$530,000 has been approved by the City Commission of Palatka, Fla.

Bids will be received until February 25 by the Clarke county supervisors, Quitman, Miss., for the construction of 14.724 miles of road.

Warren County Board of Supervisors, E. B. Lantz, county engineer, Vicksburg, Miss., has awarded contract at \$341,222 to Meyer & Gruenwald, Meridian, Miss., for the construction of two 350-foot steel spans, with 1000 feet of trestle work over the Yazoo River north of Vicksburg.



## Destroying Nature's Wonders in the Name of Progress.

Highway building has made possible the rapid development of our country. Good roads have opened up hitherto inaccessible regions; they have been a great factor in the solid upbuilding of isolated sections and country districts; they have increased property values and thus have aided in the creation of national wealth, and they have made it possible for outsiders to reach some of nature's wonders and enjoy scenic beauties formerly visible only to the few hardy

describe. Late in the afternoon, with the low western sun throwing its golden light through the entwined branches, there was produced a weird and beautiful effect, which fascinated in years past those travelers who were so fortunate as to pass along the way. Just as the rays of the sun added to the charm of these wonderful old trees, so the silvery moon of a Florida night produced an effect never to be forgotten.

Gone are these beauties of nature despoiled by the hand of man in the name of progress. Gone are the cathedral-arched oaks of New Smyrna. What a pity that men lacking vision should be guilty of destroying such a roadway merely for the purpose of building in place thereof a straight road!

It ought not to be an impossible thing for those who are charged with the responsibility for carrying out programs of road improvement to find, from the engineering standpoint, a solution for the problem involved in straightening and otherwise improving a highway and at the same time preserving in large measure the royal trees which line the roadside. One feels almost tempted to ask: What is the use of a road at all if to secure it we must lose something that has cost old Mother Nature so many years and even generations to produce?

There is, moreover, a consideration that should appeal even to those, if such there be, who regard a tree merely as something left standing through the carelessness of our less progressive ancestors. That consideration is this: The tourist is a valuable asset. People go where trees are, and whenever a beauty spot is made less beautiful through their destruction it to that extent has a lessened charm for the discriminating traveler. It is



CATHEDRAL OAKS AS THEY ONCE STOOD.

pioneers. Good roads mean progress, and highway builders and all responsible for the creation and construction of good roads are doing an important work for humanity and the country.

However, in this march of progress let a plea be made for the preservation of nature's handiwork, so far as may be consistent with efficiency and safety, in the cutting out of lanes of transportation. Sometimes road builders, with a ruthless hand, have destroyed in a few days or weeks vistas of beauty which it has taken centuries to produce.

An instance in particular may be cited in the despoilation by highway builders of one of the scenes of great beauty found on the road leading to New Smyrna, Fla. Some one committed a crime against nature when in modernizing this road, which connects Daytona and New Smyrna, there was cut away one of the most unusual and beautiful stretches of forest-lined roadway in the United States. The soul of a man would be dead who could not appreciate it. Gone are the cathedral-like old live oaks with vaulted arches seemingly supporting the blue firmament above. One's imagination pictured the old road leading to a land of enchantment. The natural beauty of the interlocking trees was enhanced by festoons of Spanish moss with its delicate tracery, making a fairy-like scene words fail to



THE SAME SPOT TODAY—ON THE ROAD TO NEW SMYRNA.

Photos by Van de Sande, permission Suniland Magazine.  
Courtesy American Forests and Forest Life.

not so widely sought. People go to other places instead.

In the efforts toward road improvement we should never lose sight of the wonderful works of nature. In many parts of the country there are natural scenic advantages which could not be created by human hand or brain, and it should be the duty of public officials to see that these beauties are preserved. Those who are guilty of unnecessary destruction surely can never have read with any appreciation that superb poem in which Joyce Kilmer said:

"Poems are made by fools like me, but only God can make a tree."

# LUMBER AND BUILDING MATERIALS

## Increase in Hardwood Production.

Washington, February 11.—The National Lumber Manufacturers Association received telegraphic reports today of the status of the lumber industry for the week ended February 6 from 374 of the larger softwood and 122 of the chief hardwood mills of the country. The 359 comparably reporting softwood mills showed an increase in production and decreases in shipments and new business in comparison with reports from 362 mills the week before. When compared with the same period a year ago, however, increases in production and new business and a decrease in shipments were noted. The hardwood operations showed marked increases in all three factors compared with reports for a week ago, when, however, five more operations reported.

The unfilled orders of 225 Southern Pine and West Coast mills at the end of last week amounted to 696,066,993 feet, as against 689,451,648 feet for 228 mills the previous week. The 126 identical Southern Pine mills in the group showed unfilled orders of 280,784,460 feet last week, as against 286,082,280 feet for the week before. For the 99 West Coast mills the unfilled orders were 415,282,533 feet, as against 403,369,368 feet for 102 mills a week earlier.

Altogether the 359 comparably reporting mills had shipments 101 per cent and orders 103 per cent of actual production. For the Southern Pine mills these percentages were, respectively, 102 and 95, and for the West Coast mills 91 and 99.

Of the reporting mills the 328 with an established normal production for the week of 208,650,874 feet gave actual production 101 per cent, shipments 100 per cent and orders 101 per cent thereof.

The following table compares the national lumber movement as reflected by the reporting mills of eight regional associations for the three weeks indicated:

	Past Week, 359	Corresponding Week, 1925, 369	Preceding Week, 1926 (Revised), 362
Mills .....			
Production .....	226,196,505	218,412,411	214,774,455
Shipments .....	228,424,120	230,864,626	263,052,108
Orders .....	233,528,850	216,555,279	242,346,108

The following revised figures compare the lumber movement of the eight associations for the first five weeks of 1926 with the same period of 1925:

	Production	Shipments	Orders
1926.....	1,036,553,671	1,142,174,764	1,202,689,035
1925.....	1,017,858,335	1,099,116,886	1,047,028,267

The Southern Cypress Manufacturers Association of New

## SOFTWOOD LUMBER MOVEMENT FOR FIVE WEEKS, AND FOR WEEK ENDING FEBRUARY 6.

	Production 1926	1925	Shipments 1926	1925	Orders 1926	1925
<b>Southern Pine Association:</b>						
Total .....	343,197,592	347,824,089	335,140,608	324,318,596	359,181,784	336,806,764
Week (126 Mills).....	72,297,951	74,680,873	73,813,500	74,411,750	68,515,680	73,296,100
<b>West Coast Lumbermen's Association:</b>						
Total .....	430,225,728	462,607,447	447,791,511	476,266,438	495,232,150	428,718,660
Week (99 Mills).....	98,473,419	103,898,678	89,588,371	98,636,646	97,066,270	92,104,234
<b>Western Pine Manufacturers Association:</b>						
Total .....	87,942,000	76,687,000	122,621,000	129,833,000	128,341,000	114,779,000
Week (37 Mills).....	18,427,000	17,886,000	24,547,000	28,452,000	27,771,000	24,526,000
<b>California White and Sugar Pine:</b>						
Total .....	55,616,000	22,220,000	113,916,000	53,143,000	95,503,000	54,102,000
Week (20 Mills).....	11,169,000	2,508,000	16,233,000	3,922,000	16,222,000	6,267,000
<b>California Redwood Association:</b>						
Total .....	39,123,000	39,587,000	34,113,000	32,947,000	42,490,000	37,317,000
Week (15 Mills).....	7,718,000	8,789,000	5,299,000	7,824,000	8,301,000	5,762,000
<b>North Carolina Pine Association:</b>						
Total .....	36,121,751	27,683,799	39,867,545	29,706,052	31,555,101	27,327,843
Week (36 Mills).....	8,998,235	3,683,860	8,891,049	4,911,930	5,338,900	4,696,945
<b>Northern Pine Manufacturers Ass'n:</b>						
Total .....	32,188,600	26,571,000	37,122,100	40,675,800	41,202,000	38,211,000
Week (9 Mills).....	6,249,900	5,253,000	7,748,200	8,381,300	8,192,000	8,504,000
<b>Northern Hemlock and Hardwood (Softwood) Total:</b>	12,139,000	14,678,000	11,603,000	12,227,000	9,184,000	9,766,000
Week (17 Mills).....	2,863,000	1,713,000	2,304,000	2,325,000	2,122,000	1,399,000
<b>General Total for 5 Weeks:</b>	1,036,553,671	1,017,858,335	1,142,174,764	1,099,116,886	1,202,689,035	1,047,028,267
<b>General total for week:</b>	226,196,505	218,412,411	228,424,120	230,864,626	233,528,850	216,555,279

Orleans for the week ended February 3 reported from 13 mills a production of 4,595,830 feet, shipments 6,040,000 and orders 4,680,000. In comparison with reports for the previous week this Association showed a nominal decrease in production, a substantial decrease in shipments and a loss in new business.

The Southern Pine Association reports from New Orleans that for 126 mills reporting shipments were 2.10 per cent above production and orders 5.23 per cent below production and 7.18 per cent below shipments. Of the 112 mills reporting running time, 81 operated full time, 16 of the latter overtime and the rest operated from three to five and one-half days.

The North Carolina Pine Association of Norfolk, Va., with two more mills reporting, showed big increases in production, shipments and new business.

The Hardwood Manufacturers Institute of Memphis, Tenn., reports from 105 units production as 14,569,692 feet, shipments 17,408,991 and orders 21,713,212. The normal production of these units is 17,916,000 feet.

## Architects for Texas Bank Building.

Greenville, Texas.—The building committee of the Greenville National Exchange Bank has selected Lindsey & Kilmer of Greenville, associated with Lang & Witchell of Dallas, as architects for the new building to be erected here. As previously outlined in the MANUFACTURERS RECORD, the building will be seven stories, 108 by 94 by 46 feet, of brick, reinforced concrete and steel construction. Contract is expected to be awarded soon for excavation and foundation.

## Installing Machinery in Fertilizer Plant.

Lake Charles, La.—Machinery is now being installed in the new fertilizer plant being erected here by Kelly-Weber & Co. and it is expected that the mixing plant will be ready for operation within a few days. The entire plant will probably be in operation within 60 days. It will have a capacity of 200 tons per day.

Clays and kaolins of Georgia and North Carolina, as well as other Southern states, are described in Bulletin 708, High-Grade Clays of Eastern United States, by the Geological Survey, Department of the Interior. The Bureau of Mines has recently published a report on Georgia and Alabama clays as fillers (technical paper 343).



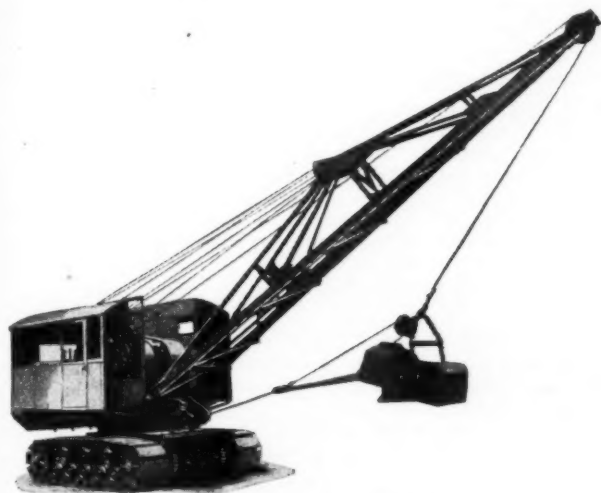
## MECHANICAL

### New Model Excavator.

This improved excavator, Model 207, which has been recently designed and put on the market by the Harnischfeger Corporation of Milwaukee, Wis., is very similar to the other models of Pawling & Harnischfeger machines, known for some time. The same principles of construction and operation are used throughout.

Power is supplied by a single gasoline, electric or Diesel motor of heavy-duty tractor type, developing 77 horsepower. All power is transmitted through cut-steel gears, with a minimum number of reductions. The two main drums are independently mounted on separate shafts, and are controlled by outside band clutches and brakes, the clutches being operated by power clutch control. The standard line speed for clamshell and shovel operation is 156 feet per minute and for dragline operation 116 feet per minute. The lagging on the front drum may be interchanged for toothed lagging when it is desired to use the shovel attachment.

Both the revolving frame and car body frame are of cast steel in one piece. All shafts are turned and ground to micrometer size, and all bearings are provided with Alemite or pressure cup lubrication. The corduroy frames are heavy steel castings, which receive the weight of the machine from two heavy forged steel axles. The treads are non-cloggable and the tread rollers are swiveled to adjust to the irregularities of the ground. All gears are well guarded for protection of machines and operator, and the first reduction and travel gears are fully enclosed, running in oil. There are two traction speeds—.4 and 1.22 miles per hour, forward and reverse. All steering is controlled from the operator's plat-



EXCAVATOR IN OPERATION.

form by use of a simple handwheel. The main machinery and operator's platform are fully enclosed in an all-steel cab provided with doors and windows to permit proper care and operation.

This machine handles 1-cubic-yard dragline or clamshell bucket on a 40-foot boom and has a rated lifting capacity of 33,000 pounds at a 10-foot radius based on 75 per cent of the tipping capacity. The shovel dipper is one-cubic-yard struck measure capacity and may be used on three different size combinations of shovel boom and dipper sticks to give various working clearances. The shovel boom is of the firm's standard design of steel construction, with the dipper sticks on the outside. The crowding motion is driven through a thimble roller chain from the front drum.

### Oil Burner and Preheater.

In the accompanying illustration is shown an oil burner and preheater that is primarily designed to give maximum combustion and greatest heat in the shortest possible time, thereby reducing overhead expense and resulting in greater output from both men and machinery. In welding many castings, for instance, preheating is necessary to neutralize expansion and contraction strains or to economize



THE NEW DEVICE IN USE.

gases. Without preheating complicated castings are liable to develop new breaks at points remote from the weld itself has been successfully completed. Large castings will absorb a large amount of heat from the welding flame before a local melting heat is obtained, and a great saving of gas can be accomplished by first preheating the entire piece.

This oil burner and preheater is made by the Alexander Milburn Company of Baltimore, Md., and it is of the atomizing type, utilizing economically the cheapest grade of crude fuel, kerosene oil or distillate and compressed air under pressure varying from 50 to 100 pounds. The operations that can be performed with it economically and advantageously are numerous and varied. In foundries, boiler shops, machine shops and repair shops its uses range from heating soldering irons to burners for core ovens, annealing furnaces, etc. The air supply line serves two purposes—while furnishing a direct flow to the burner, the air also maintains a similar pressure in the oil-storage tank, creating a greater velocity in the oil feed line, thus insuring a positive and uniform flow of both oil and air.

The burner embodies the latest scientific developments. Both air and oil flow through straight-line crifices, and the fuel is completely atomized and perfectly mixed with air to insure complete consumption and maximum heat. Carbonization and oxidation are eliminated.

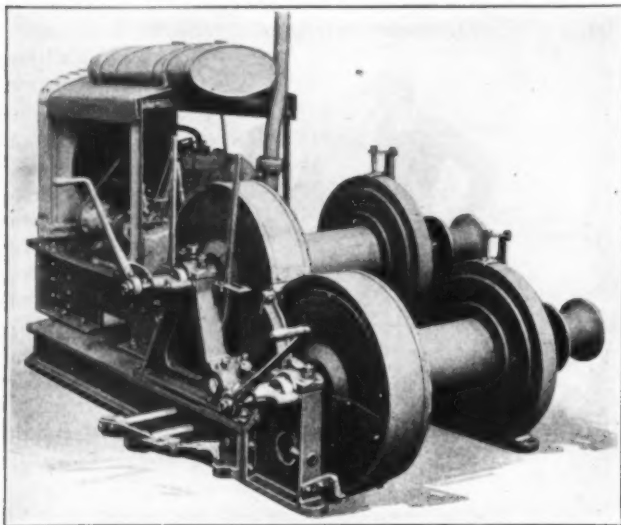
### Gasoline Hoist With Gear Drive.

In the illustration herewith is shown an improved gasoline hoist with gear drive instead of chain drive. It is of a type which is used extensively by road builders and was exhibited at the recent road show held in Chicago. The manufacturer, the American Hoist & Derrick Co., of St. Paul, Minn., redesigned this hoist, doing away with the chain drive that was formerly used and substituting spur and bevel gears with an intermediate longitudinal shaft placed at right angles with the pinion shaft, which is the crankshaft on a steam hoist, the gasoline motor being mounted lengthwise instead of crosswise on the hoist.

The pinion shaft of the hoist has a bevel gear near its center which engages with a bevel pinion on the end of the intermediate longitudinal shaft. On the other end of this shaft there is a spur gear which engages with the pinion on the engine crankshaft. The intermediate shaft is mounted at nearly the center lengthwise of the bed and is supported by heavy babitted boxes.

Equipping gasoline hoists with gear drive instead of chain drive gives, it is claimed, a number of important advan-

tages, among which are speedier shipment of both hoist and driving mechanism repairs and ability to change the line speed to meet varying requirements without seriously delaying shipment. However, the principal advantage of the new gear drive over the old chain drive is that power is transmitted directly to the pinion shaft of the hoist, which



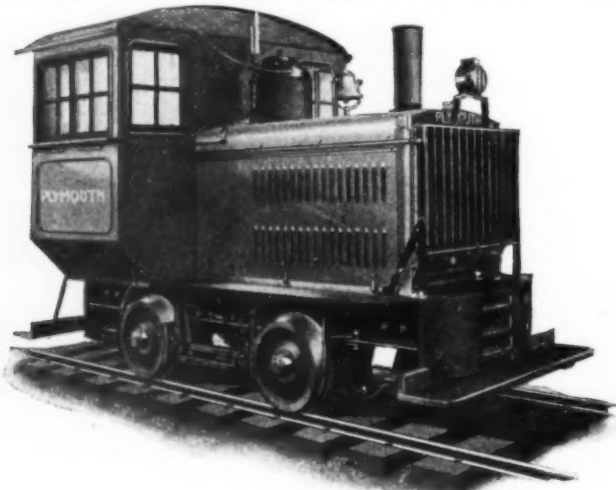
VIEW OF IMPROVED GASOLINE HOIST.

is between the two rear drums, and from there to the friction gears by at least two teeth—one to each adjoining friction gear—whereas on the old arrangement power was transmitted to the rear drum and from there to the rest of the drums by only one gear toooth.

The entire hoist is mounted on a cast iron bed plate, insuring rigidity and absolute alignment of gearing, shafting and bearings. The gasoline engine is mounted on the bed plate in place of the boiler or electric motor, and the hoist is very compact and self-contained.

### 12-Ton Gasoline Locomotive.

The Fate-Root-Heat Company (Plymouth Locomotive Works), Plymouth, Ohio, has recently brought out a new locomotive, known as Model JLB, weighing 12 tons. It is built in all gauges from 23½ to 56½ inches, with a wheel base of 63 inches. Length, overall, 15 feet 8 inches; height,



NEW LOCOMOTIVE AS IN USE.

9 feet 10 inches. The frame is of all steel construction with cast-steel bumpers.

The locomotive has a Buda 6-cylinder engine, 4½-inch bore by 6-inch stroke, developing 88 horsepower at 1400 revolu-

tions per minute, and equipped with Leece-Neville 12-volt starter, with Bendix drive and Willard battery. Bosch magneto, Stromberg carburetor, United air cleaner, Pierce governor and Modline sectional radiator are standard equipment.

Transmission is the Plymouth sliding-gear type, 4 speeds forward and reverse; gears, alloy-steel, cut and hardened. Speeds, 3½, 5½, 11 and 18 miles per hour at engine speed of 1400 revolutions per minute. Clutch is combination Twin Disc and Plymouth. Axles are of alloy steel, 5½-inch diameter; axle bearings, Hyatt high duty; lubrication, Alemite system.

There are brakes to all four wheels, hand operated, or equipped with Westinghouse direct air system, and there are sanders to all wheels. Electric lights, whistle and bell. The cab is wide and roomy, enabling the operator to see out alongside of railroad cars.

This locomotive is adapted to quarries, sand, gravel and clay pits, mining, logging, railroad and general construction work, and factory hauling and switching.

## Commendations, Kicks and Comments

### The World Court As Seen by a Lawyer.

LOUIS F. JORDAN, Waynesboro, Va.—The editorial on the World Court in the MANUFACTURERS RECORD of January 21 is the best summation of the matter I have seen and I agree with it thoroughly.

### How It Helps a Minister.

REV. W. A. McCOMB, Gulfport, Miss.—Enclosed please find check for \$3.25, my subscription to the MANUFACTURERS RECORD for this year. Also, \$3 additional for six copies of the Blue Book for the years of 1921, 1922, 1923, 1924, 1925 and 1926. I had the Blue Book for the first two years it was gotten out, but I have loaned and lost them and I need them for constant reference. I prize the MANUFACTURERS RECORD next to my religious state paper. I often get enough out of one issue to more than pay a year's subscription.

### Building Up Hidden Treasures.

B. H. WILKINS, President and Manager, Tennessee Overall Company, Tullahoma, Tenn.—The enclosed check will cover our renewal subscription for the next two years. It has become necessary for every business manager in the South to read the MANUFACTURERS RECORD in order to keep pace with the rapid development all around him, and I will watch for every week's issue with renewed interest. Mr. Edmonds and his staff deserve the personal thanks of every citizen of the South for their unselfish and untiring efforts to build up the hidden treasures of the South.

### Decreasing Crime Through Closing of Saloons.

C. E. WOODS, Tarpon Springs, Fla.—Please send to me under a heavy card, to prevent creasing, if possible, the full front page of the MANUFACTURERS RECORD of very recent date, showing on front cover the admirable article by E. F. Watson of Burnsville, N. C., entitled "In 100 Murder Cases 85 Were Due to Whisky." My purpose is to frame and hang upon my office wall this magnificent indictment of liquor, or, I should say, terrific indictment. Having been the mayor of a famous Kentucky city—Richmond, the home of Governors, Congressmen, Senators and Ministers abroad, etc.—I know Mr. Watson is absolutely correct in all he charges against liquor. I preserved the records of arrests under the open and under the closed saloons during my term, 1906-1910, and the barometer of crime was directly influenced by the saloons, arrests decreasing from the hour they were closed.

My observation today is this: If the national Prohibition enforcement officials were obliged to be personally for Prohibition, in spirit and practice, the matter of crime would diminish accordingly. But the personnel of the enforcement branch is such as to discourage the hope of sincere law enforcement. I consider the officer who drinks, connives with drink and is against the law in the same class as the traitor who wears the uniform of his country, yet betrays her to her enemies. There is no difference.

I am sincerely grateful to Mr. Edmonds for his bold and effective defense of the only hope—nation-wide Prohibition. I heard him speak at Orlando some years ago, and took then and there the measure of the man. Thank God for Mr. Edmonds and the MANUFACTURERS RECORD!



# CONSTRUCTION DEPARTMENT

## EXPLANATORY

Additional information is published about all enterprises mentioned in this department as soon as such data can be obtained.  
An asterisk (\*) following an item indicates that the enterprise has been reported in a preceding issue.

## DAILY BULLETIN

The Daily Bulletin is published every business day to enable its subscribers to follow up promptly the industrial, commercial, railroad, financial, building and general business development of the South and Southwest. To machinery manufacturers and dealers, contractors, engineers, and others who require daily information of every new enterprise organized and details about important additions to enterprises already established, the Daily Bulletin is invaluable. Subscription price, \$30.00 a year.

### Bridges, Culverts and Viaducts

#### Proposed Construction

Alabama—State Highway Comsn., Montgomery. See Construction News—Roads, Streets and Paving.

Ark., Siloam Springs—See Roads, Streets and Paving.

Florida—State Road Dept., Tallahassee, receives bids March 2, 7 bridges: Palm Beach County, Project 641-B, Road No. 4, 2 bridges over East Coast Canal and across Earman River; Project 656, Road No. 4, concrete bridge, 727 ft.; Leon County, Project 672-B, Road No. 1, 2 bridges across Ochlocknee River and River Swamp; Gadsden County, Project 653-B, Road No. 1, 2 reinforced concrete structures; J. L. Cressap, State Highway Engr.

Fla., Daytona Beach—See Roads, Streets and Paving.

Fla., Miami—City plans building bridges. See Financial News—Bond Issues Proposed.\*

Fla., Tampa—See Drainage, Dredging and Irrigation.

Ga., Wrightsville—Johnson County plans constructing bridge over Oconee River, connecting Johnson and Wilkinson Counties. See Financial News—Bond Issues Proposed.

Louisiana—Louisiana Highway Comn., Baton Rouge, receives bids March 9, reconstruction and repairs, Calcasieu River Bridge, Lake Charles on Lake Charles-West Lake Highway, Calcasieu Parish, State Aid Project No. 461; 60,000 pounds reinforcing steel; 37,000 pounds structural steel beams used as reinforcement in river piers; W. B. Rovert State Highway Engr.

La., Lake Charles—Louisiana Highway Comn., Raymond Bldg., Baton Rouge, receives bids March 9 to repair Calcasieu River bridge between Lake Charles and Westlake.

Miss., Hattiesburg—Forrest County, Board of County Comms., Herbert Gillis, Clerk, receives bids March 1 to take down, scrape, move and re-erect 2 bridges, steel bridge over Black Creek at Brooklyn and bridge over Boule River.

North Carolina—See Roads, Streets and Paving.

N. C., Lexington—Davidson County Comms. plan building bridge over Yadkin river to connect Davidson and Davie Counties.

S. C., Charleston—State Highway Dept., Columbia, receives bids March 16 for bridge across Santee delta connecting Charleston and Georgetown counties along Highway No. 40; Samuel McGowan, Ch. Highway Commr.

S. C., Columbia—State Highway Comn. receives bids March 16 for Federal Aid Project No. 39-B, Wantee River Bridge, Charleston-Georgetown County Samuel McGowan, Chief Highway Comsn.

Tenn., Memphis—States of Tennessee, Arkansas and City of Memphis signed agreement through representatives to construct viaduct approach on Arkansas side of Harahan bridge spanning Mississippi River; widening bridge proper and improve Tennessee side of structure; estimated cost \$1,164,000; C. N. Bass, acting State Highway Comr. of Tennessee; Frank Thompson, Atty. General, both Nashville; Herbert R. Wilson, State Highway Comr. of Arkansas, Little Rock; Rowlett Paine, Mayor of Memphis.

Texas—State Highway Comsn., Austin, Tex., receives bids March 4, timber pile trestle in Garza County; George A. Field, Div. Engr., Lubbock.

Texas—State Highway Comsn., Austin, Tex. See Roads, Streets and Paving.

Tex., Houston—Harris County, Ben Davison, Street and Bridge Commr., will probably

let contract to Johnson Construction Co., Houston, for Lawndale Ave. Bridge.

West Virginia—State Highway Comsn., Charleston, receives bids March 16 for 8 bridges Kanawha County, bridge No. 988 over Rush Creek on Project 150, 3 concrete deck girders, span 2 30-ft. and 1 40-ft.; Kanawha County, bridge No. 1009 over Coopers Creek on Project 148-B, steel superstructure only, 140-ft. span; Wyoming County, Project 3128, steel superstructures and concrete substructures of four bridges, No. 1011, 90-ft. span, No. 1012, 110-ft. span, No. 1018, 90-ft. span, No. 1019, 90-ft. span; Braxton County, 3017-B, No. 1015, Upper Falls Run, steel superstructure, 80-ft. span with masonry substructure; Monongalia County, Project 146-A, No. 1008 at Dellslow, concrete arch, 50-ft. span; E. B. Carskadon, Sec.

W. Va., Logan—Logan County plans building bridge across Guyan River at Pecks Mill.

#### Contracts Awarded

Ala., Mobile—Mobile Bay Bridge Co., John T. Cochran, Pres., Meaher Bldg., let contract to John Jacobson, 2311½ C St., Galveston, Tex., at \$403,500 for causeway, including dredging, building fills and riprapping; Jerry Gwin, Age-Herald Bldg., Birmingham, roadway work at \$270,300.\*

Fla., Delray—Contract let for construction of two way bridge over East Coast Canal at Atlantic Ave. to Champion Bridge Co., Fort Lauderdale; approximate cost \$80,000; Black & Werner, 122 Trenlett St., San Antonio, \$17,171.66; concrete slab bridge over Olmos Creek on Blanco; multiple box culvert on Lockhill-Selma road and box culvert on Blanco road.\*

Ky., Hyden—See Financial News—Bond Issues Proposed.

Miss., Hazlehurst—Copiah County Board of Supvrs. let contract to Southern Car and Foundry Co., Barlow, Miss., at \$3000 for bridge.\*

Missouri—See Construction News—Roads, Streets and Paving.

N. C., Hendersonville—Country Club Estates, Inc., O. R. Brown, reported, let contract to Dietz Construction Co., Hendersonville, for 2 overhead bridges to span railroad.

N. C., Stokes Ferry—R. L. Smith and A. F. Biles, Albemarle, let contract for steel toll bridge over Yadkin River.

Tex., Abilene—Taylor County, L. C. McCannlies, County Engr., Abilene, plans reinforced concrete bridges over Raney Creek, Lytle Creek; estimated cost \$96,000.\*

Tex., Eagle Pass—Eagle Pass and Piedras Negras Bridge Co. purchased the Texas and Cuahuilla Bridge Co. Contract will be let February 22 for permanent bridge; John F. Fenner, Engr. Terrell-Bartlett Engineering Co., Calcasieu Bldg., San Antonio.

Tex., Houston—City let contract to Ben F. Faber, Houston, at \$48,391, Lawndale Ave. bridge; Harris County to pay \$32,000.

Tex., Houston—Harris County, Chester H. Bryan, County Judge, plans \$180,000 bridge across San Jacinto River on Crosby Road; How & Wise, County Engr., First National Bank Bldg.

Tex., San Antonio—Bexar County let contracts for construction 17 bridges: Aiken & Dehr, 804 Builders Exchange Bldg., San Antonio, at \$74,263.68, concrete girder over Leon Creek on Von Ormy road; 33 ft. 4-in. concrete multiple box culvert over Indian Creek on Von Ormy road; 86-ft. concrete girder bridge over Medio Creek; concrete approaches to Medina River Bridge; concrete box culvert over Live Oak Slough on Quintana road; at \$46,293.22, concrete girder bridge

over Rosillo Creek on Sulphur Springs Road; multiple box culvert over Chupaderas Creek on Sulphur Springs road; 3 concrete girder bridges over Calaveras Creek on Elmendorf-Adkins road; concrete girder bridge over Chupaderas; I. E. Sanders, San Antonio, at \$10,663.80 in Precinct 2, extension present slab bridge on West Commerce St. over Zarzamora Creek; multiple concrete box culvert on West Commerce over Zarzamora Creek; multiple box culvert 5 mi. from San Antonio.\*

### Canning and Packing Plants

La., Napoleonville—Sam A. Lebanc and S. A. Alleman reported interested in canning plant.

### Clayworking Plants

Ark., Pine Bluff—Aeme Brick Co., N. P. Anderson Bldg., Fort Worth, Tex., George Puls, Asst. Sales Mgr., reported to enlarge and improve plant.

Fla., New Smyrna—Gus W. Means and Harold W. Houston, St. Albans, W. Va., reported to establish brick plant.

La., Lafayette—Chamber of Commerce and representatives of pottery firm investigating clay deposits relative to establishment of plant.

Okla., Keefeton—LaDow Brick Co., Freedonia, Kansas, reported to install brick plant.

### Coal Mines and Coke Ovens

W. Va., Clarksburg—The Wentz Co., Land Title Bldg., Philadelphia, Pa., reported acquired The Lewis Coal Mining Co.

W. Va., Clarksburg—Vincent Fuci Co., capital \$50,000, incorporated; V. E. Goeke, Buckhannon Pike.

W. Va., Buckhannon—Hackers Creek Coal Mining Co., capital \$10,000, incorporated; Geo. A. Quertinmont, Cecil Monnoyer.

W. Va., Charleston—Camp Fork Coal Co., capital \$200,000, incorporated; G. R. Krebs, Glenwood; holdings in Nicholas County.

### Concrete and Cement Plants

Fla., Ft. Lauderdale—Doll & Tilling Cement Products Co., capital \$25,000, incorporated; H. W. Doll, U. S. Tilling.

Fla., Fort Pierce—Fort Pierce Concrete Tile Co. incorporated; F. W. Modersohn, W. Liddon.

Fla., Kelsey City—Cement Products Corp. chartered; J. M. Dixon, G. W. Hammond.

Fla., Ocala—Lehigh Portland Cement Co., Allentown, Pa., will begin immediate construction \$3,000,000 plant; F. C. Fisk, Industrial Engr.; silo storage, capacity 200,000 bbls; in connection with mills will be machine and blacksmith shops, carpenter and electric shops; all buildings fireproof, concrete and steel; plant will probably be completed within 12 to 15 months.\*

Md., Baltimore—Riverside Concrete Products Co., Joseph Goeller, Mgr., Eastern Ave. and Hollywood Park, expending \$10,000 on new construction and machinery.

Tenn., Cowan—Davidson, Hicks & Greene, 100 Russell St., Nashville, organized Cumberland Portland Cement Co. and erect plant, initial capacity about 2000 bbls. per day; so constructed that additions for increasing output can readily be made; has site; Davidson, Hicks and Greene wire: "Proposed cement plant promoted by this company and its stockholders; organization and construction plans are not yet completed."

### Cotton Compress and Gins

La., Opelousas—Opelousas Compress Co. reported to enlarge warehouse and install high density compressor.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

La., Ferriday—Ferriday Compress and Warehouse Co., Inc., capital \$150,000, incorporated; A. J. Matthew, Russellville, Ark.; D. B. Fleming, Ferriday; will erect cotton compress.

Okl., Muskogee—James M. Pierce, Railway Exchange Bldg., will erect cotton gin and seed house, Main and Cincinnati Sts.; 120x377 ft.; steel and concrete; fireproof.

Tenn., Waynesboro—Holthouse & Hartup, Lawrenceburg, will install cotton gin.

Tex., Raymondville—Aransas Compress Co., Corpus Christi, will establish compress.

### Cottonseed-Oil Mills

Miss., Natchez—Eugene Enochs and L. P. Conner, 503 S. Union St., reported interested in establishment of cotton seed oil mill.

### Drainage, Dredging and Irrigation

Ala., Mobile—See Bridges, Culverts and Viaducts, Contracts Awarded.

Ark., Pine Bluff—J. W. Holt, Alderman, and associates interested in draining old lake bed district of city which extends from Brump's bayou on Cedar St. to southern section of city.

Fla., Daytona Beach—C. L. Dodge and associates interested in forming the Volusia County Drainage Dist. No. 1, proposed district will reclaim about 110,000 acres land.

Fla., Fort Lauderdale—City will deepen New River Inlet. See Financial News—Bond Issues Proposed.

Fla., Fort Pierce—St. Lucie County Comms. have \$500,000 available for drainage work for mosquito eradication throughout county. See Financial News—Bond Issue Proposed.

Fla., St. Petersburg—See Miscellaneous Construction.

Fla., Sarasota—R. A. Perry of Tampa has contract at \$799,990 for dredging Sarasota's deep water channel, work to begin within 60 days and completed within one year; contract is exclusive of bulkheading and dockage; J. M. Braxton, Supv. Engr., St. James Bldg., Jacksonville.\*

Fla., Tampa—Dover Drainage Dist. Supvs. receive bids March 5 to construct Lake Thonotosassa spillway and bridge; McElroy Engineering Co., Engrs., both 32 Giddens Bldg. (See Machinery Wanted—Spillway, etc.)

Tex., Rockport—City and County Navigation Dist. will construct rock breakwater extension and harbor improvements; work includes rubble rock breakwater, timber bulkhead and wharves and harbor dredging; let contract to D. M. Platon, Rockport, for rock at \$35,000; balance of improvement, including 55,000 cu. yds. dredging, to be let shortly; Frederick M. Percival, Engr. in charge.\*

Tex., Galveston—Major Julian L. Schley, U. S. Dist. Engr., received low bid from The Atlantic, Gulf and Pacific Co., Seaton Bldg., Houston, for section four of the Aransas Pass channel; removing approximately 3,000,000 cu. yds. earth; estimated cost \$251,000.\*

### Electric Light and Power

Large sums are being expended for electric light and power work in connection with Land Development operations. Details will be found under that classification.

Ala., Decatur—City Council reported granted permission to Alabama Water Co. to erect electric line from pumping station to water tower in West Decatur.

Ala., Troy—Pea River Power Co., Chas. Henderson, Pres., closed contract with Worthington Pump and Machinery Corp., Wynne-Claughton Bldg., Atlanta, Ga., for 2 Diesel engine generating units; will construct power house.\*

Ark., Van Buren—City will probably have white way installed by Fort Smith Light & Traction Co., Fort Smith.

Fla., Boynton—City, Lew Winchester, Clk., will install lighting system. See Financial News—Bond Issues Proposed.

Fla., Fort Lauderdale—City Comsn. closed contract with Florida Power & Light Co., S. R. Inch, Pres., 27 N. W. First St., Miami, for period of 10 years for power to operate water and sewage plant and for street lighting and granted 30 year franchise.

Fla., Gainesville—City will improve electric lighting system. See Financial News—Bond Issues Proposed.

Fla., Jacksonville—City, Frank H. Owen, Chrmn., Public Utilities, may soon call for bids for \$2,000,000 expansion at electric power plant, install additional equipment, with capacity 30,000 kw.

Fla., Lake Alfred—John F. May, Winter Haven, and S. F. Poole, Lake Alfred, interested in establishment of white way and 80-ft. boulevard between two cities.

Fla., Sanford—City, Forrest Lake, Mayor, votes March 19 on \$75,000 bonds for extension of white way.

Fla., St. Petersburg—City Comsn. let contract to Wright Electrical Co., St. Petersburg, for installing white way 8 miles long.\*

Fla., Tampa—Tampa Electric Co. authorized Stone & Webster, Inc., 147 Milk St., Boston, Mass., to install additional 12,500 kw. unit and 4 boilers at West Jackson St. station; boiler room will be extended and 200-ft. stack built; new unit will be installed in existing turbine room; outdoor substation by the power house will be enlarged to accommodate increased generating capacity and an additional feeder will tie in Eleventh Ave. substation; Dudley Gunn, Constr. Supt.\*

Ga., Louisville—Georgia Southern Power Co. reported acquired municipal power plant.

Ga., Thomasville—City, D. R. Pringle, Supt. Water and Light Dept., will install 1250 kw. turbine and surface condenser; opens bids March 8. (See Machinery Wanted—Turbine; Condenser.)

Kentucky—Kentucky Utilities Co., Metropolitan Bldg., Louisville, reported acquired 20-yr. franchise for electric and power service at Kevil, Barlow and LaCenter.

Ky., Louisville—Col. C. W. Kutz, U. S. Division Engr., Cincinnati, O., reported, received low bid from Byllesby Engineering and Management Corp., 231 S. La Salle St., Chicago, Ill., at \$2,056,187, for construction of proposed government power and navigation dam No. 41, to replace present dam; also lowest bidder for construction of power house in connection with dam to cost \$6,000,000, to be built for Louisville Hydro-Electric Co.

La., Lockport—Lock Port Light & Power Co., A. H. Thompson, Ptes., Patterson, let contract to Gulf Electric & Construction Co., Morgan City, for improvements, daily output 75 kw.\* (See Machinery Wanted—Engine; Generator Set; Switchboard; Wire; Transformers.)

Md., Boonsboro—The Antietam Electric Light and Power Co., R. S. Graves, Pres., Chagrin Falls, Ohio, lately noted acquiring electric light plant; will install new water wheel, including generator, switchboard, etc. (See Machinery Wanted—Generator Set; Poles; Electric Meters, etc.)

Miss., Bay Springs—City granted City Investment Co. 20-yr. franchise to construct and operate electric light and power plant.

Miss., Philadelphia—Board of Trade reported interested in installation of white way.

Missouri—Henry L. Doherty & Co., 60 Wall St., New York, reported acquired for Empire Electric Co., Joplin, 2 power plants in the Ozarks, including Indian River Power Co. and the Noel Mill & Power Co., serving towns of Lanagan, Elk-O-Zar, Boscae Dell, Ginger Blue, Mo., and Sulphur Springs, Ark.

Mo., St. Louis—Union Electric Light and Power Co., Louis H. Egan, Pres., reported to expend \$11,000,000 in expanding transmission lines, power plants, etc.

N. C., Charlotte—Cape Fear Power Co. incorporated; John A. Parker, Z. O. Parker.

Oklahoma—Oklahoma Gas & Electric Co., Oklahoma City, reported granted franchise in Manville, Ravia and Ripley; will construct transmission lines.

S. C., Rock Hill—City, W. P. Goodman, Mgr., will extend white way system on various streets.

Tenn., Clarksville—City will probably install white way section in business district. Address The Mayor.

Tenn., Harriman—City votes June 8 on sale of light and power plant to Tennessee Electric Power Co., Chattanooga.

Tenn., Sevierville—Gatlinburg Light and Power Co., incorporated; A. J. Huff, H. J. L. Starks.

Tex., Memphis—City Council let contract to Memphis Ice & Electric Co. for installation of white way street lighting system.

Tex., Quinlan—City Council granted franchise to H. E. Hobson and associates for installation and operation of electric power plant; construct power line.

Tex., Sanderson—Continental Gas, Light & Power Co., Fort Worth, reported, acquired Sanderson Ice, Water and Light Co.'s plant.

Tex., Sour Lake—See Ice and Cold Storage Plants.

Tex., Texas City—City Comsn. approved installation of ornamental lighting system on Sixth St., cost \$10,000.

Virginia—Virginia Electric & Power Co., Richmond, J. Frank McLaughlin, V. P., reported to expend \$1,550,000 in construction work in Norfolk and Portsmouth, providing for extensions of power lines and gas mains, development of rail and motorbus facilities.

W. Va., Bluefield—Appalachian Power Co., subsidiary of American Gas & Electric Co., 30 Church St., New York, reported to construct line to serve community of Flat Top Yards and Falls Mills and intermediate points.

W. Va., Kenova—American Electric Power Co., Packard Bldg., 111 S. Fifteenth St., Phila., Pa., Graham Clayton, Ch. Engr., advises contracts have been made for major items for addition of 25,000 kw. of generating capacity to steam station of Consolidated Power & Light Co., main office Huntington; equipment will be installed in present buildings and considerable part of present coal and ash handling layouts, condensing water pumping equipment and switching equipment will be used, work handled by engineering department of American Electric Power Co.; have contracted for a General Electric 23,000 kw. 11,000 volt, bleeder type turbine, which will be solidly connected to bank of 11,000/33,000 volt transformers; contracts also let for three 1430 h.p. Babcock & Wilcox water tube boilers with superheaters; for three Westinghouse new model underfeed stokers; for Wheeler 28,000 sq. ft. surface condenser; steel work and piping also have been covered by contracts.\*

### Flour, Feed and Meal Mills

Tex., Plainview—Harvest Queen Mills, Albert Hinn, Mgr., will erect flour, meal and feed mill, daily output 700 bbls.; 40x200 ft.; 6 stories, concrete floors; cost of building \$100,000; cost of machinery \$50,000; Southwestern Engineering Co., Woodruff Bldg., Springfield, Mo., Contrs.; will open bids March 1 for complete milling equipment. (See Machinery Wanted—Flour Mill Equipment.)

### Foundry and Machine Plants

Ala., Birmingham—Cotton Ginning Machinery—The Trust Co. of Georgia, Atlanta, Ga., has option on majority stock Continental Gin Co., with plants at Birmingham, Avondale and Prattville, Ala.; Dallas, Tex.; Bridgewater, Mass.; Atlanta, Ga., and Memphis, Tenn.

Ala., Gadsden—Stoves, etc.—A. and J. Manufacturing Co., J. C. Greene, Sec., Locust St., reported, increased capital, \$50,000 to \$250,000.\*

Ga., Rome—E. P. Grant, John M. Berry and associates interested in establishing stove foundry with \$100,000 capital; probably erect fireproof, steel and concrete building.

Md., Baltimore—Republic Boiler and Radiator Co., M. H. Landis, Pres., Union Ave., Woodberry, plans installing sufficient machinery during year to increase production by 50 per cent.\*

Md., Towson—Electric Drills, etc.—Black & Decker Mfg. Co., S. Duncan Black, Pres., plans building 100x200-ft. addition, daylight, steel and concrete; concrete and wood block floor, gypsum roof; for additional manufacturing space and storage purposes.

Miss., Columbus—F. M. Jacob, College St., will erect foundry and machine shop, 25x100 ft. and 25x150 ft. buildings, brick and metal, concrete floors, built-up or metal roof, estimated cost \$15,000, let contract in about 30 days; install \$50,000 equipment, including power hack saws, wire-working machinery, motors, forges, etc. (See Machinery Wanted—Motors; Wire Working Machinery; Forges; Foundry and Machine Shop Equipment.)\*

Mo., Joplin—Mining and Mill Machinery, etc.—Service Belt Co., capital \$50,000, incorporated; Charles T. Orr, Geo. J. Kusterer.

Mo., St. Louis—Refrigerating Machinery—American Carbonic Machinery Co. incorporated; H. C. Hewitt, 320 Title Guaranty Bldg.

Mo., St. Louis—Furnaces, etc.—Merrell & Co., Inc., capital \$90,000, incorporated; R. Merrell, 6209 Washington St.

Mo., St. Louis—Flori Bros. Machine Co., 1214 Clark Ave., capital \$10,000, incorporated; Louis R. Flori, Jules L. Flori; manufacture machinery of all kinds.

N. C., Stoneville—Garden King Tractor Co., 1327 Main St., Pittsburgh, Pa., reported, contemplates establishing plant.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.



Tenn., Chattanooga—John C. Vance Iron & Steel Co. advises: Plant of the Lucey Manufacturing Corp. was acquired for future use; do not contemplate any developments or improvements within near future and possibly not before 2 or 3 years.\*

Tenn., Chattanooga—Columbian Iron Works, M. C. Lofton, Sec., 2501 Chestnut St., let contract to A. F. Hahn, James Bldg., for \$20,000 office building, 2-story, brick, stone and concrete, hardwood floors, tile roof; C. E. Bearden, Archt., First National Bank Bldg.\*

Tenn., Knoxville—Traffic Line Marking Machines—Tennessee Tool Works, 942 Western Ave., increased capital, \$50,000 to \$100,000.

Tenn., Knoxville—Southern Pipe & Foundry Co., 810 Island St., Home Park, increased capital, \$75,000 to \$100,000.

### Gas and Oil Enterprises

Ark., Smackover—Simms Petroleum Co., 120 Broadway, New York, reported to construct refinery with capacity of 2500 bbls. crude oil and cracking capacity of 2000 bbls. daily and erect casing-head plant with daily capacity of 14,000 gals. gasoline.

Fla., Fort Myers—See Water Works.

Fla., Sanford—City, Forrest Lake, Mayor, votes March 19 on \$200,000 bonds for extension to gas plant.

Fla., Winter Haven—City received proposal from Allen D. Albert, Pres., Jacksonville Gas Co., Jacksonville, for erection of gas plant.

La., Shreveport—Explorer Oil Corp., Inc., capital \$20,000, incorporated; Frank D. Roemer, 617 Merrick St., Shreveport; J. Earl Freeman, Urrania.

N. C., Burlington—North Carolina Public Service Co., C. E. Scott, Mgr., reported to begin construction of gas plant, install mains, storage tanks and machinery.

Okl., Okmulgee—Independent Oil and Gas Co., Kennedy Bldg., Tulsa, R. M. Riggins, Sec., advises company acquired Indianola refinery, pipe line and crude oil tank farm, approximately 270 miles pipe line, 1,000,000 bbls. steel crude oil storage and a 10,000-bbl. skimming plant and 200 acres land; are now constructing lubricating oil plant with capacity of 15,000 gals. daily and Jenkins cracking plant of 1000 bbls. capacity; will use all usable material from Indianola plant in this work and balance of material will be dismantled and sold for junk.\*

Tex., Amarillo—Pattison-Lenex Oil Co., capital \$60,000, incorporated; J. L. Pattison, W. L. Stover.

Tex., Breckenridge—Chestnut Smith Corp. reported to have acquired Parks gasoline plant of Texas Co.

Tex., Cisco—Milton Oil Co., capital \$60,000, incorporated; A. H. Woodfin, Fort Worth; Dave Milton; drill wells, construct 500 and 1000 bbl. knock-down steel tanks. (See Machinery Wanted—Oil Well Casing; Steel Tanks, etc.; Pipe.)

Tex., Electra—Wagoner Refinery, Charles Kolp, Mgr., reported to install new units to cost \$500,000; construct natural gasoline plant, daily capacity 2000 gals.

Tex., Fort Worth—Fort Worth Gas Co., O. K. Shannon, Mgr., reported to expend \$1,000,000 for improvements to gas service.

Tex., Houston—Humble Oil and Refining Co., Humble Bldg., will vote March 1 on increasing authorized capital stock of company from 1,750,000 to 3,000,000 shares of \$25 each.

Tex., Port Arthur—Southern Gas and Power Corp., Fox Bldg., Phila., Pa., reported acquired 4 additional gas properties, including Sabine Utilities Co.

Tex., Wichita Falls—United Producers Co., capital \$120,000, incorporated; J. S. Bridwell, First Nat'l Bank Bldg.

Tex., Wichita Falls—Van Nest Corp., capital \$35,000, incorporated; M. J. Van Nest.

Tex., Wichita Falls—Plains Gas and Fuel Co., capital \$10,000, incorporated; W. E. Bristol, 1312 Polk St.

W. Va., Charleston—Keener Producing Co., capital \$300,000, incorporated; J. S. Dana, 1578 Kanawha St.

### Ice and Cold-Storage Plants

Ark., Blytheville—Arkansas-Missouri Power Co., C. H. Rowland, Gen. Mgr., reported erect 300 ton ice storage plant, increasing manufacturing facilities; E. W. Rice and W. J. Lewis, Engrs.

Fla., Lake Worth—New Electric Ice Co.,

capital \$120,000, incorporated; O. J. Morris, P. G. Acton.

Fla., Okeechobee City—E. A. Hamburg and T. T. Reese, both W. Palm Beach, reported, let contract for cold storage plant, first unit to cost \$44,000; also contemplates canning and preserving plants, all in connection with land development.

Fla., West Palm Beach—Palms Ice Co., capital \$100,000, incorporated; L. H. Davis, L. E. Lokey.

Md., Cambridge—Atlantic Ice Manufacturing Co., J. V. Pennegar, Pres., reported acquired plants of the Cambridge Ice Co., located at Cambridge, Hurluck and Federalburg.

N. C., Durham—Durham Fruit & Produce Co., Wm. E. Griffin, Sec., advises will erect cold storage and warehouse for private use in fruit and produce; 100x130-ft., mill construction, brick walls, gravel roof; estimated cost \$45,000; install \$30,000 equipment, including banana tracks, elevator, caute, Moore system ventilation and cold storage; detailed plans not completed; Carneal & Johnson, Archts., Electric Bldg., Richmond, Va.; address equipment proposals to Munn, Griffin & Co., Rocky Mount, N. C.\*

N. C., Mount Holly—Mount Holly Ice Co., capital \$100,000, incorporated; E. E. Thompson, Mount Holly; A. L. Sudduth, Gastonia.

Tenn., Wartrace—Wartrace Ice Co. will erect 1 and 2-story ice plant, iron-clad and brick, 35x60-ft., concrete floors, metal roof, concrete foundation; construction by local builders; install \$16,000 equipment; Rada-baugh & Corbett, Archts., 218 Tenth Ave. N., Nashville.\*

Tex., Dallas—Dixie Ice Co. increased capital, \$50,000 to \$100,000.

Tex., Dallas—Southern Ice & Utilities Co., Santa Fe Bldg., acquired the Brown & Joseph Ice Co.'s plant; will operate; properties now include 37 ice plants in Texas, Arkansas and Oklahoma, capacity of 2500 tons ice daily.

Tex., Fort Worth—Riverside Ice Co. has permit for \$40,000 ice plant, Chenault and Sulvanita Sts.

Tex., Marshall—East Texas Public Service Co., Knox Lee, Mgr., let contract to Joe M. Pressler, at \$100,000, for 1-story 80x80-ft. ice plant, brick, steel and reinforced concrete, fireproof; John Marshall, Archt., Woolworth Bldg.\*

Tex., Sour Lake—Western Public Service Co., Colorado Springs, Col., begun extensive improvements; will recondition 25-ton capacity ice plant, installing new machinery, other plans include rebuilding lines throughout city, extending service to Grayburg; estimated cost about \$20,000.

### Land Development

Ala., Birmingham—Acme Land Co., capital \$26,000, incorporated; D. Friedman, 2129 First Ave.

Ala., Birmingham—Builders Investment Co., capital \$10,000, incorporated; J. C. Adolphus, Roy R. Cox.

Ala., Birmingham—Burg Realty and Investment Co., capital \$10,000, incorporated; Ralph E. Burg, American Trust Bldg.

Ala., Mobile—City Land Co. acquired tract in Baldwin County with 3 miles bay frontage; will develop.

Ala., Florence—Kirkpatrick & Hitchcock, awarded contract for improvements at Melville Terrace subdivision, including sidewalks, chert streets, curbing, gutters, lights, water, telephones.

Ala., Florence—Fowler Bros., 6300 Tireman St., Detroit, Mich., let contract to Wm. L. Schmid for improvements to Lake Wilson Park and Detroit Park subdivisions; will grade streets, curbs, gutters, construct cement sidewalks, install water works, electric lights.

Ala., Huntsville—Homeland Corp., capital \$10,000, incorporated; I. A. Burdette, J. L. Burdette.

Ark., Fort Smith—City will soon begin construction of Lewis Tiles Park, grade streets. Address The Mayor.

Ark., Sulphur Springs—George D. Lowell will develop 120 acres for Lola Le Park, construct roads and drives.

Fla., Arcadia—John L. McInerney, City Hall Square Bldg., Ralph H. Simpson, 130 W. Washington Ave., both Chicago, Ill., and associates have acquired 15,000 acres near Arcadia, for development of farms; will drain and construct roads, etc.

Fla., Avon Park—Bennett Associates, Inc., Howard Bennett, Pres., has 3000 acres, 600 acres now under development for subdivision; L. C. Purdy, Constr. Engr., Stiles &

Van Kleek, Landscape Archts., 663 Central Ave., St. Petersburg.\*

Fla., Bartow—John P. Hyman Development Co., incorporated; J. P. Hyman, R. D. Brown.

Fla., Bonita Springs—Imperial River Co., capital \$15,000, incorporated; W. A. Skinner, H. W. Warden.

Fla., Boynton—Bechtel-Cook Co. is developing Boynton Hills subdivision; will construct 26 ft. paved streets, underground ornamental lighting system with 25 ft. tower in center of each circular park; will plant 700 palm trees.

Fla., Brooksville—Floral Islands, J. C. Ferris, organized to develop 1500 acres on Lake Tsola Apopka; will develop, construct golf course; Langdon & Maurer, Golf Archts., Chicago, Ill.

Fla., Clermont—East Clermont Co., capital \$50,000, incorporated; E. H. Sheiver, C. O. Christianson.

Fla., Clearwater—Blackwell Brothers, Inc., chartered; W. T. Blackwell, B. B. Blackwell.

Fla., Crestview—West Florida Blueberry Co. will develop 125 acres in blueberries, erect packing house.\*

Fla., Daytona Beach—City, Walter A. Richards, Mgr., has 30 acres; will develop 15 acres for public park; A. D. Taylor Offices, Orlando.\*

Fla., Daytona Beach—Beach Improvement and Investment Co., capital \$10,000, incorporated; H. Abrahams, 521 Second Ave.

Fla., Daytona Beach—Ess Kay Realty Co., incorporated; J. C. Kroman, L. Settle.

Fla., Daytona Beach—The Gardens Co. incorporated; L. K. Suttles, C. R. Clark.

Fla., Daytona Beach—Vining Realty Co., 138 S. Atlantic Ave., incorporated.

Fla., Daytona Beach—Homes, Inc., chartered; L. C. Johnson, 575 Cedar St.

Fla., De Land—De Land Groves, Inc., chartered; G. W. Vinall, E. Vinall.

Fla., Delray—Indian River Heights Corp., W. C. Rhoades, Pres., will develop 49-acre subdivision; install lights, water, paved streets. (See Machinery Wanted—Concrete Products Machinery.)\*

Fla., Fort Lauderdale—American-British Improvement Corp., Jas. H. R. Cromwell, are developing subdivision; construction work started Jan. 1; 1 mile of rock road completed; construction work under direction of Col. J. M. Wright, Floranada Club, by Whitney Bros., Contrs., Duluth, Minn., and Floranada Club.

Fla., Fort Lauderdale—LeRoy Realty Co., incorporated; S. C. Wood, B. V. Reilly.

Fla., Fort Myers—Wayne Development Co., incorporated; L. L. Franke, C. Bolick.

Fla., Fort Myers—Palm City Construction & Realty Co., 24 Earnhardt Bldg., W. M. Silver, Gen. Mgr., will develop subdivision on 20-acre site; install streets, walks, water, sewers, dwellings; H. G. Balthasar, Constr. Mgr.; owners contractors.\* (See Machinery Wanted—Building Material; Sewer Material; Water Material; Street Material.)

Fla., Fort Myers—Reybold-Schoolcraft, Inc., chartered; W. S. Schoolcraft, M. D. Reybold.

Fla., Fort Myers—Naples Gulfside Estates, Inc., capital \$24,000, incorporated; E. L. Rigell, W. W. Butler.

Fla., Fort Pierce—Beverly Corp., capital \$100,000, incorporated; J. F. Blake, E. Miller.

Fla., Frostproof—Frank Highfield, Tampa, reported acquired tract on Lake Caloosa.

Fla., Frostproof—H. C. Sullivan and John Maxey, Committee, interested in development of 14 acre park at Lake Reedy; M. B. Foster, 501 Magnolia St., Orlando, Landscape Archt.

Fla., Gainesville—Florida-Tennessee Development Co., St. Petersburg, E. N. Kyle, Pres., Gainesville, acquired tract, will develop.

Fla., Green Cove Springs—Florida Real Estate Securities Co., incorporated; G. S. Engle, G. L. Lowe.

Fla., Groveland—Johnson-Stackhouse Groves Co., capital \$25,000, incorporated; V. M. Johnson, R. P. Johnson.

Fla., Haines City—Florida-Chicago Realty Co., capital \$25,000, incorporated; J. J. Miller, J. M. Beak.

Fla., Hollywood—Lake Court Corp., capital \$210,000, incorporated; G. W. Rupp, G. M. Owens.

Fla., Hollywood—B. V. Frooks, Inc., capital \$10,000, incorporated; B. V. Frooks, T. E. Price.

Fla., Hollywood—F. G. L. Realty Co., John Flier, Pres., Little River, are developing 20 acres for subdivision; install paved and oiled streets, sidewalks and electric lights.

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Fla., Hollywood—Harmed Holding Co., capital \$10,000, incorporated; H. H. Greenburg, M. Caden.

Fla., Jacksonville—W. H. Evans, H. L. Nelson will develop Petaluma for farm and subdivision.

Fla., Jacksonville—White Springs Terrace, Inc., chartered; B. Stein, St. James Bldg.

Fla., Jacksonville—Gared Corp., capital \$25,000, incorporated; G. W. Edgar, 16 Hogan St.

Fla., Jacksonville—Curtis Properties, Inc., 2 E. Bay St., John A. Curtis, Pres., will develop subdivision; install water, sewers, electric lights; Philip P. Foster, Archt., George B. Hille Co., Contr.\*

Fla., Jacksonville—Floral Park Estates, Inc., capital \$15,000, chartered; S. E. Gordon, M. P. Cochran.

Fla., Jacksonville—Arlington Properties, Inc., capital \$250,000, incorporated; J. J. G. Cooper, 221 E. Adams St.

Fla., Jacksonville—Brentwood Terraces, capital \$10,000, incorporated; J. M. Halsema, E. C. Buren.

Fla., Key West—Johnson & Johnson, Inc., chartered; C. D. Stearns, L. V. Johnson.

Fla., Kissimmee—Snell-Goode Co., capital \$30,000, incorporated; A. M. Snell, E. F. Goode.

Fla., Kissimmee—Colonial Estates, Inc., capital \$50,000, incorporated; J. W. Tucker, A. E. Thomas.

Fla., Lake Weir—Louis B. Magid, Harrington Hall Hotel, Ocala, incorporated Lake Weir Estates; acquired tract of several thousand acres for development of subdivision; install water, sewers, electric lights, yacht basin.

Fla., Lake Worth—City, W. E. Hutschenreuter, Clk., let contract to Fairchild Aerial Survey, Inc., 270 W. 33rd St., New York, for aerial survey of city in connection with city planning.

Fla., Lake Worth—Keith-Robinson Corp., capital \$25,000, incorporated; E. Y. Keith, L. C. Swain.

Fla., Lake City—Hillcrest Development Co., capital \$15,000, incorporated; L. J. Goldberg, U. T. Davis.

Fla., Lantana—Mary A. Lyman, Inc., capital \$500,000, incorporated; M. A. Lyman, W. H. Lyman.

Fla., Leesburg—B. M. Love will develop 136½ acres for residential section; install hard surfaced streets, walks, lights and water, landscaping parks, drives and yacht basin; Pinner & Wilcox, Archt. and Constr. Engr.\*

Fla., Live Oak—Suanee Stock and Poultry Farms, capital \$100,000, incorporated; W. C. White, D. O. Henry.

Fla., Madison—H. D. Oxford and associates reported interested in golf course.

Fla., Melbourne—Chas. H. Rose Realty Co., Inc., capital \$10,000, incorporated; C. H. Rose, J. T. Rose.

Fla., Miami—Flori Corporation, capital \$25,000, incorporated; J. L. Neeley, 1229 S. W. Fourth St.

Fla., Miami—Cranter Corp., capital \$10,000, incorporated; C. H. Crandom, 432 N. E. 35th St.

Fla., Miami—Twin City Realty Co., capital \$50,000, incorporated; A. F. Schrup, V. Drummy.

Fla., Miami—Barnes Sound Investment Co., capital \$42,000, incorporated; E. M. Lee, 189 S. E. 14th Lane.

Fla., Miami—Anderson Bloxton Corp., capital \$50,000, incorporated; D. M. Anderson, 222 N. E. First St.

Fla., Miami—R. H. Curlette Properties, Inc., 223 N. E. Second Ave., will develop 46½-acre site between Miami and Hollywood for subdivision; construct oiled and paved roads; sidewalks, curbing, complete water system, white way and landscaping.

Fla., Miami—Blackhawk Investment Co., capital \$500,000, incorporated; A. F. Schrup, V. Drummy.

Fla., Miami—Palm Beach Causeway Park Co., capital \$180,000, incorporated; W. E. Wright, 535 W. Flagler St.; P. D. Barnes.

Fla., Miami—Seaboard Villas, Inc., capital \$10,000, chartered; M. Dechter, J. S. Gordon.

Fla., Miami—Kyle Fox Properties, Inc., chartered; K. Fox, 917 N. E. First Ave.

Fla., Miami—North and South Holding Co., incorporated; C. D. Benson, Ralston Bldg.

Fla., Miami—Wolpert Properties, Inc., capital \$25,000, incorporated; J. L. Neely, 48 W. Flagler St.

Fla., Miami—F. E. Ferguson, Inc., capital \$100,000, incorporated; F. E. Ferguson, 60 W. Flagler St.

Fla., New Port Richey—City, Edgar A. Wright, Mayor, retained M. A. Fullington for survey work for parks; improve with walks, walks, etc.; Oscar Herms, Landscape Archt.\*

Fla., Okeechobee—E. A. Hamburg, T. T. Reese, West Palm Beach, are developing Paradise Gardens, 8,000 acre tract near Okeechobee City; construct 66 miles road, drainage system; Ruggles, Flowers, Farnum and Mason, Engrs., West Palm Beach.

Fla., Orlando—Atha-Barr Real Estate and Mortgage Co., S. H. Atha, Pres., 303 E. Robinson St., acquired 300 acres on east shore Big Lake Conway; develop subdivision; install water, sewers, electric lights, roads and streets.

Fla., Orlando—Bear Gully Holding Corp., capital \$100,000, incorporated; N. B. Estes, C. F. Crawford.

Fla., Orlando—L. A. Leathers Development Co., capital \$100,000, incorporated; L. A. Leathers, W. M. Murray.

Fla., Orlando—Flower Bros., Inc., capital \$100,000, incorporated; M. K. Flower, D. W. Eastwood.

Fla., Orlando—Long Builders, Inc., chartered; E. H. Possner, G. K. Fisher.

Fla., Orlando—Sias-Shepherd-Wright Investment Co., incorporated; D. P. Sias, 20 W. Pine St.

Fla., Orlando—Red Rose Groves, capital \$20,000, incorporated; L. C. Prime, P. M. Prime.

Fla., Palatka—Crescent Lake Estates, Inc., chartered; F. H. Butchorn, R. E. Sutton.

Fla., Palatka—East Florida Realty & Loan Co., capital \$75,000, incorporated; J. E. Bennett, O. F. Alford.

Fla., Plant City—Flora Realty Co., incorporated; M. N. Stout, P. Ehrenburg.

Fla., Palm City—Southern Florida Properties, Inc., is developing Palm City Estates.

Fla., Palmetto—Hooks & Ingram, Inc., capital \$25,000, incorporated; V. B. Hooks, O. W. Ingram.

Fla., Panama City—C. S. Martin and associates of New York, reported acquired 34,000 acres in Bay and Walton counties.

Fla., Punta Gorda—Punta Gorda Shores, Inc., capital \$50,000, incorporated; J. B. Lemon, 1544 N. Flagler St., Miami; H. M. Mauck; develop 275-acre subdivision.

Fla., Quincy—Country Club Highlands, Inc., C. H. Guggan, Pres., will develop subdivision, has 1180 acre tract; are installing water, sewers, electric lights, 18 hole golf course; Armes & Winthrop, Constr. Engr., Tallahassee.\*

Fla., Sarasota—Feway Co., incorporated; H. J. Delorme, F. C. Worrell.

Fla., Sarasota—John E. Decker, Inc., capital \$10,000, incorporated; J. E. Decker, Sr., T. R. Martin, Jr.

Fla., Sebring—Carl Marfesi and F. M. Coleman acquired 30 acres at Altamont Place; develop subdivision.

Fla., South Jacksonville—Bryant-Edwards-Harris, Inc., capital \$30,000, incorporated; J. E. Bryant, Avondale St.

Fla., Sarasota—Hekman-Lindahl, Inc., capital \$10,000, chartered; O. E. Heckman, E. M. Lindahl.

Fla., Sebring—Long Island Development Co., capital \$50,000, incorporated; L. Greenblatt, G. Mueller.

Fla., Stuart—Philadelphia Florida Land Co., capital \$46,000, incorporated; E. L. Rigell, S. S. Spencer.

Fla., St. Augustine—Tocol Holding Co., capital \$200,000, incorporated; I. D. Feickert, C. C. Randolph.

Fla., St. Augustine—Matanzas Shores, Inc., capital \$100,000, incorporated; F. O. Upchurch, 57 Water St.

Fla., St. Petersburg—Standard Old Colony Corp., capital \$25,000, incorporated; F. Wharton, C. Wharton.

Fla., St. Petersburg—Donovan & Sons Holding Co., Sixth St. and Central Ave., capital \$25,000, incorporated; E. A. Donovan.

Fla., St. Petersburg—Gainesville Realty Co., capital \$200,000, incorporated; W. Kennard, 810 24th Ave.

Fla., St. Petersburg—S. R. Love, Inc., chartered; Dr. S. R. Love, 406 Hall Bldg.

Fla., St. Petersburg—Royal Construction Co., incorporated; R. D. Edsell, S. W. Taylor.

Fla., St. Petersburg—Bay Realty Co., capi-

tal \$100,000, incorporated; E. R. Hassemeier, E. J. Humpe.

Fla., St. Petersburg—John Nolen, City Planner, Cambridge, Mass., has contract for new city plan, representing expenditure of \$10,000.

Fla., Tallahassee—Sunland, Inc., capital \$50,000, incorporated; F. R. Hansell, E. M. McFarland.

Fla., Tampa—H. L. Judd, New Britain, Conn., acquired 425 acres, embracing Rocky Point; will develop.

Fla., Tampa—South Franklin Land Co. incorporated; W. H. Jackson, 927 S. Oregon Ave.

Fla., Tampa—Moon Lakes Properties, Inc., chartered; J. F. Taylor, 1019 Citizens Bank Bldg.

Fla., Tampa—L. S. Shafer & Co., capital \$10,000, incorporated; Wm. C. McLean, Jr., L. S. Shafer.

Fla., Tampa—Tampa Memorial Park, Inc., 207 Realty Bldg., N. A. Perry, will develop 3½ acres for cemetery; construct entrance and archway, driveways, etc.; J. S. Bradbury & Co., Lucas Bldg., Gen. Contr.; C. B. Adair, Landscape Archt., 208 Realty Bldg. (See Machinery Wanted—Tanks; Pumps; Engines; Fencing [Iron].)

Fla., Tampa—Wimauma Heights, Inc., capital \$100,000, incorporated; E. Spingeld, S. Rubin.

Fla., Tampa—Port Tampa City Properties, Inc., capital \$100,000, incorporated; C. P. Fish, Shell Point Road.

Fla., Tampa—Carolina Estate, Inc., capital \$20,000, incorporated; Sol Kahn, M. Wannamaker.

Fla., Tampa—Tampa-Pasco Acreage Co., capital \$1,000,000, incorporated; J. F. Taylor, 1019 Citizens Bank Bldg.

Fla., Tampa—J. R. Watts & Sons, Inc., chartered; J. R. Watts, L. G. Watts.

Fla., Tampa—Kay See Investment Co., incorporated; O. W. Stiles; A. A. Kirk.

Fla., Vernon—Vernon Realty Co., incorporated; J. D. Parrish, J. A. Douglas.

Fla., West Palm Beach—Highland Farms Sales Corp., incorporated; G. L. Wright, M. H. Hecht.

Fla., West Palm Beach—Twin Cities Construction Co., capital \$25,000, incorporated; A. F. G. Lucas, E. Metcalf.

Fla., West Palm Beach—W. S. Lockman Construction Co., capital \$50,000, incorporated; D. Cleary, J. B. Cleary.

Fla., West Palm Beach—Flowers Brothers Realty Co., Inc., capital \$25,000, incorporated; H. K. Flower, W. D. H. Huttig.

Fla., West Palm Beach—Lake Ida Realty Corp., capital \$250,000, incorporated; R. S. Boyland, J. H. Barnett.

Fla., West Palm Beach—Majestic Realty Co., capital \$25,000, incorporated; H. A. Sodini, J. T. Mahoney.

Fla., West Palm Beach—Paradise Grove Co., incorporated; D. M. Quinn, J. C. Bills, Jr.

Fla., West Palm Beach—Jarrell Land Corp., capital \$100,000, incorporated; T. N. Jarrell, F. S. Murray.

Fla., West Palm Beach—M. E. Gruber, Inc., capital \$250,000, chartered; M. E. Gruber, S. B. Beach.

Fla., Winter Haven—W. J. Willingham, Inc., capital \$10,000, incorporated; W. J. Willingham, J. Cofield.

Fla., Winter Haven—Hilllake Corp., capital \$50,000, incorporated; N. C. Shiverick, J. Cofield.

Fla., Winter Haven—Shader Enterprises, Inc., capital \$600,000, incorporated; R. Conroy, W. M. Cathrae.

Fla., Winter Park—J. A. Podmore Realty Co., capital \$20,000, incorporated; V. C. Podmore, H. H. Wunderlick.

Ga., Brunswick—R. E. Benedict representing George Hewill Meyers, Wilkins Bldg., Washington, D. C., reported interested in land settlement reclamation project in Georgia; C. W. Lane, Engr.

Ga., Savannah—Nichols-Byck Co., Edgar Nichols, developing Park View subdivision; install electricity, paving, water.

La., Baton Rouge—Gulf Court, Inc., capital \$10,000, incorporated; Dewey J. Sanchez, Triad Bldg.

La., New Orleans—Ace Realty, Inc., capital \$65,000, incorporated; Horace L. Montegut, 3626 General Pershing St.

La., Rexmere—The Rexmere Co., Inc., incorporated; Emile G. Coco, Jr., Emil Regard, both Mansura.

Md., Baltimore—Park Board, Wm. I. Nor-

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.



ris. Pres., will develop 1½ acres in Druid Hill Park for rose garden; will grade, drain, construct lily pond, concrete steps, wood trellis; H. Clay Primrose, 505 Cathedral St., Landscape Archt.

Md., Baltimore—The Cornell Realty Co., 3808 Arabia Ave., incorporated; Charles C. Kraus.

Md., Baltimore—Realty Corp. of America, 308 Equitable Bldg., capital \$100,000, incorporated; Marion T. Wright, Robert Kanter.

Miss., Biloxi—Herbert G. Shrimp, 360 N. Michigan Ave., Chicago, Ill., will develop Holmhaven-on-the-Gulf, 250 acres subdivision; plans include expenditure of \$750,000 for paved streets, landscaping, water, lights.

Miss., Macon—S. Y. Bacon, Okolona, acquired 2500 acres in Pickens County.

Miss., Macon—R. R. Connor, Dancy, acquired 610 acres.

Miss., Macon—Chas. Timberlake of Crawford, A. W. Reynolds, Starkville, acquired 485 acres.

Miss., Macon—J. F. Ames acquired 1000 acres near Cliftonville.

Miss., Macon—E. W. Marland, Tulsa, Okla., reported acquired 2100 acres in Noxubee county.

Miss., Philadelphia—Delta Realty Co., Hewes Bldg., capital \$50,000, incorporated; M. A. Henderson, W. P. Rhodes.

Miss., Vicksburg—Dan A. James, Bonelli Bldg., and J. Bowmar Dabney, Merchants Nat'l Bank Bldg., will develop Forest Heights subdivision on 70-acre tract; install city water and electric lights.

Mo., Joplin—Hadley Tatum, Pres., Brown, Tatum, Shannon, Inc., Joplin National Bank Bldg., has 413 acres will develop 60 acres for subdivision; install water works, sewers, electric lights; Sid J. & S. Herbert Hare, Landscape Archts., Huntzinger Bldg., Kansas City.\*

Mo., Kansas City—Midland Operating Co., incorporated; Herbert M. Woolf, Sophian Plaza.

Mo., Kansas City—Industrial Land Co., incorporated; L. J. Hensley, 3917 Roanoke Road.

Mo., Kansas City—Eldridge-Downs Building Co., incorporated; James E. Eldridge, 1406 W. 50th St. Terrace.

Mo., St. Louis—Bixby & Smith, Incorporated; Harold M. Bixby, Jas. C. Smith.

Mo., St. Louis—Berger Realty Co., incorporated; Vincel R. Stamm, 775 Goodfellow Apartment.

Mo., St. Louis—Christian Brinkop Real Estate Co., capital \$100,000, incorporated; Eugene Brinkop, 4048 Wyoming Ave.

Mo., St. Louis—Grandpine Realty Co. incorporated; H. W. Eddy, 506 Olive St.

Mo., St. Louis—Bernard Realty Co., capital \$25,000, incorporated; Joseph B. Schweppe, 3159a Alfred Ave.

Mo., St. Louis—Rohndale Realty Co. incorporated; Theodore A. Rohn, 902 Titie Guaranty Bldg.

Mo., St. Louis—Rohman & Co., Inc., capital \$50,000, incorporated; Frank P. Robinson, 4925 Cote Brillante St.

Mo., St. Louis—Werner-Kopelowitz Co., incorporated; S. M. Werner, 2705A S. Jefferson St.

N. C., Asheville—Southern Highlands Realty Co., capital \$250,000, incorporated; W. H. Hipps, Technical Bldg.

N. C., Asheville—Julian Realty Co., capital \$75,000, incorporated; J. A. Patla, Jackson Bldg.

N. C., Asheville—W. H. Anderson Realty Co., capital \$50,000, incorporated; Dr. A. T. Prichard, Medical Bldg.

N. C., Asheville—David L. Strain, L. B. Jackson, both Jackson Bldg., and associates reported acquired 40,000 acres on Forney's and Hazel creeks; will develop.

N. C., Asheville—The Levitt Co., Inc., capital \$25,000, incorporated; Samuel Gottlieb, 212 Livingston St.

N. C., Asheville—Dr. H. H. Briggs, 101 Haywood St., acquired 3000 acres in Transylvania county; will develop.

N. C., Asheville—Newfield Properties, Inc., capital \$50,000, incorporated; T. Perry Young, 64 Patton Ave.

N. C., Asheville—The Howard Investors, capital \$100,000, incorporated; M. C. Newman, R. L. Almon.

N. C., Asheville—Eltom Investment Co., capital \$100,000, incorporated; Thomas P. Cheeseborough, Jr., A. H. Robinson.

N. C., Asheville—Golden Rule Investment

Co., capital \$50,000, incorporated; James S. Howell, Jackson Bldg.

N. C., Asheville—Morris, Fortune & Co., capital \$100,000, incorporated; Gilbert H. Morris, 63 Macon Ave.

N. C., Asheville—Jake Wells, Shaws Creek Rd., Hendersonville; King Morris and associates reported acquired 3000 acres in Transylvania County; will develop subdivision; expend \$100,000 for construction of 18-hole golf course, 80-ft. boulevard, install water, sewers, electric lights.

N. C., Brevard—Sapphire Lakes states Corp., capital \$500,000, incorporated; A. L. Dasher, W. E. Breese.

N. C., Brevard—J. H. Townsend and George Morris, 1770 Carr St., Memphis, Tenn., acquired 200 acres; develop summer camp for boys; expend \$25,000 for improvements, construct swimming pool.

N. C., Charlotte—Addison Realty Co., capital \$200,000, incorporated; J. A. Jones, Realty Bldg.

N. C., East Flat Rock—Flat Rock Development Co., capital \$60,000, incorporated; A. C. Justus, S. L. Jones.

N. C., Hendersonville—Country Club Estates, Inc., O. R. Browne, 1510 Hillsboro St.; W. B. Drake, 717 N. Blount St., both Raleigh, reported interested in development of 800 acres for subdivision, construct overhead bridge, streets, water, sewer.

N. C., Raleigh—Camden Real Estate Co., capital \$100,000, incorporated; Robert F. Phillips, Lawyers Bldg.

N. C., Roaring Gap—Laurel Realty Co., C. G. Armfield, Sec., Elkin, having surveys made on 39 acres for development of subdivision.

N. C., Statesville—J. Paul Leonard, Pres., North Carolina Merchants Assn., interested in development of summer colony on Lake Lookout.

N. C., Shelby—Gardner Land Co., capital \$300,000, incorporated; O. Max Gardner, C. C. Blanton; develop subdivision.

Okla., Sapulpa—City Comms. approved plans for construction of 9-hole golf course and bathing beach; John Francis, Golf Archt., Tulsa.

S. C., Greenville—City, J. A. McPherson, Chrmn., Park and Tree Comsn., will develop park system.

S. C., Greenville—Carlos A. Rector of Highway Iron Products Works, Jacksonville, Fla., reported interested in development on Glacey Mountain.

S. C., Greenville—John T. Woodside, 210 Crescent Ave., reported to develop 65,000 acres at Myrtle Beach in Horry County, expend \$250,000 for improvements.

Tenn., Chattanooga—Wm. D. Joyce and associates reported interested in development of 15,000 acres; build golf course.

Tex., Corpus Christi—Security Land Co., capital \$10,000, incorporated; Almer Stewart, 505 Mesquite St.

Tex., Corpus Christi—W. E. Callahan, Railway Exchange Bldg., St. Louis, Mo., and Col. Sam A. Robertson, Brownsville, acquired 35,000 acres land on Padre Island; will develop.

Tex., Corpus Christi—Judge R. E. Brooks, Humble Bldg., Houston, acquired 70 acres adjoining Nueces Bay Heights.

Tex., Corpus Christi—W. E. Pope, Gugenheim-Cohn Bldg., will develop tract on North Beach.

Tex., Groesbeck—Chamber of Commerce reported interested in development of tourist park, install sewers.

Tex., Houston—Columbia Co., incorporated; A. E. Olson, W. C. Morris.

Tex., Levelland—Texas Fair, Improvement Co., G. L. Moody, Pres., Russell Bldg., Lubbock, is developing colonization project near Levelland; construct poultry houses, well, windmill.\*

Tex., San Augustine—San Augustine Realty Co., incorporated; W. F. Hays, W. E. Brady.

W. Va., Huntington—C. F. Bunn Co., incorporated; E. C. James, 926 13th St.

W. Va., Mount Hope—Garrett and Moseley, Inc., capital \$30,000, incorporated; A. D. Moseley, D. A. Garrett.

W. Va., Yukon—John Branch Realty Co., capital \$10,000, incorporated; S. F. Harman, Yukon; M. H. Clark, Welch.

### Lumber Enterprises

Fla., Dade City—Anderson Mill & Lumber Co., capital \$50,000, incorporated; E. H. Wood, F. Grace.

Fla., Jacksonville—The Duval Planing Mill Co., C. G. Buccell, Pres., Seventh St., will erect \$10,000 addition, wood, gravel roof, wood floors, construction by owner, start building immediately; install \$15,000 equipment.\*

Fla., Jacksonville—Terminal Lumber Co. of Florida, Graham Bldg., organized; plans to operate branches in St. Petersburg, Sarasota, Bradenton and other points.

Fla., Lake Worth—Lake Worth Lumber Co., Inc., capital \$100,000, chartered; A. Greene, E. E. Greene, Sr.

Fla., Ocala—Michigan City Lumber Co., incorporated; E. L. Rigell, G. S. Spencer.

Fla., Orlando—Kelly Lumber Co., capital \$50,000, incorporated; E. D. Kenyon, Ponce de Leon Bldg.

Fla., Panama City—Bay Central Lumber Co., capital \$25,000, incorporated; J. W. Horton, M. G. Hurd.

Fla., St. Petersburg—Fifth Avenue Lumber Co., capital \$100,000, incorporated; E. L. Reed, S. B. Moore.

Ga., Evans—P. A. Bowden erecting planing mill, daily output 100,000 ft.

Ga., Macon—D. R. Trippett & Co., Box 423, establishing assembling yard for hardwood lumber; equipment all purchased.\*

Ga., Surrency—E. C. Copeland, Sr., and associates acquired 4519 acres timber land in Wayne and Appling Counties from E. T. Barnes and W. B. Rice of Dublin; will develop.

Ga., Valdosta—J. N. Bray & Co., contemplate erecting second sawmill plant.

Md., Annapolis—J. F. Johnson Lumber Co., of Glenburnie reported acquired Meredith Lumber Co.'s plant.

Okla., Tulsa—Bagby-Linden Lumber Co., capital \$200,000, incorporated; C. E. Marshall, Kennedy Bldg.

S. C., Darlington—Coastal Timber Co., capital \$10,000, incorporated; Samuel Want, F. M. Jacobs.

S. C., Leesville—Leesville Lumber Co., incorporated; A. W. Allison, L. F. McSwain.

Tenn., Memphis—Evans Lumber Co., 2490 Southern Ave., capital \$15,000, incorporated; Louis E. Evans.

Tex., Houston—Robertson-McDonald Lumber Co., Humble Bldg., increased capital, \$175,000 to \$225,000.

Tex., Jasper—Jasper County Lumber Co., A. A. Few, Pres., reported, will rebuild plant, burned at loss of \$80,000.

Tex., Nacogdoches—J. E. Stone & Son of Center, reported, acquired about 8,000 acres pine timber land; includes approximately 20,000,000 feet timber with 10 year run on property; operation to start at once.

### Metal-Working Plants

Fla., Tampa—Tampa Sheet Metal Works, capital \$50,000, incorporated; G. H. Leavitt, 5908 Central Ave.

Md., Baltimore—Wire Goods—The Utility Manufacturing Co., W. B. Wills, Mgr., 1824 Lancaster St., will soon erect 2-story addition, increase output about 15 per cent.

Md., Baltimore—The Victor Metal Weather-strip Co. leased property at 5611 Elm St., containing 20,000 sq. ft.

Mo., St. Louis—Sheet Metal Products—Materne Heating & Power Piping, Inc., Eighth and Rutger St., incorporated; Harry P. Materne.

Mo., St. Louis—Aluminum Products—St. Louis Aluminum Co., incorporated; W. S. Bremen, Boatmen's Bank Bldg.

Tex., Houston—Metal Products—Kettler Manufacturing Co., capital \$10,000, incorporated; M. F. Kettler, 2614 Helena St.

### Mining

Ark., Star City—Lincoln Gravel Co., capital \$10,000, incorporated; M. E. Sherland, A. J. Johnson.

Mo., Joplin—Eagle-Picher Lead So., 208 S. La Salle St., Chicago, reported, purchased operating option on the Waco holdings of Frank Childress and C. Bai Lihme of Chicago, Ill.; will probably erect mill, etc.\*

Mo., Kansas City—Copper, Zinc, etc.—Ceel-Tulka Mining Co., capital \$40,000, incorporated; W. A. Swan, 4303 Main St.

Mo., St. Louis—The Maple Mining Co., capital \$150,000, incorporated; J. J. Seeley, 5205a Alaska St.

### Miscellaneous Construction

Ala., Birmingham—Inland Waterways Corp., Gen. T. Q. Ashburn, Executive Officer,

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will expend approximately \$250,000 to improve terminal facilities on Warrior river.

Fla., Cocoa—Canaveral Harbors Co. Inc., capital \$500,000, chartered; R. C. Boswell, Titusville; W. E. Walsh, Biscogne Bank Bldg., Miami; company formed to develop sea port at Canaveral Bight, construct jetties, piers, etc.

Fla., Eustis—Pier, etc.—The Eustis Heights Co. has permit for 150 feet pier and casino off east shore of Lake Eustis.

Fla., Fort Myers—Incinerator—See Water Works.

Fla., Miami—Harbor Improvements, etc.—City has \$1,500,000 available for harbor improvement; also build incinerators, police and fire system extension, etc.; E. C. Romfh, Mayor. See Financial News—Bond Issues Proposed.

Fla., Palatka—Docks—City Commrs. will soon ask bids for construction of municipal docks north of Laurel St., cost approximately \$40,000, not including dredging, etc.\*

Fla., St. Petersburg—Terminals—City, C. M. Blanc, Mayor, has \$1,577,000 available for extension of facilities to Port of Petersburg; dredging port from 19 to 27 ft., erect new wharf transit sheds, new wharf and dredge Bay for harbor inside of port from 10 to 19 ft. See Financial News—Bond Issues Proposed.\*

Fla., Sanford—Waterfront Improvements—City will make waterfront improvements, including yacht basin and city property on Lake Monroe; cost about \$35,000; bulkheading at \$400,000, fire alarm and police telephone system at \$40,000. See Financial News—Bond Issues Proposed.)

Fla., Tampa—Spillway—See Drainage, Dredging and Irrigation.

La., Lake Charles—Wharf—Lake Charles Harbor & Terminal Comsn. let contract to Banta Mutersbaugh, Inc., Gordon Bldg., Lake Charles, at \$165,497 for proposed creosoted timber wharf.

Md., Baltimore—Incinerator—City plans enlarging capacity of rubbish incinerating plant at Twenty-eighth and Sisson Sts.; Bernard L. Crozier, Chief Engr.,

S. C., Charleston—Pier—Cooper River Ferry Comsn. of Charleston County will construct double-deck pier, 40x110 ft., with untreated fenders and dolphins, creosoted substructure, untreated pine superstructure, steel gallews frame and bridge-lifting machinery, concrete walks and lighting of approach; estimated cost from \$25,000 to \$30,000 without bridge-lifting machinery; Dawson Engineering Co., Inc., Engrs., 21 Broad St.; construction bids open March 1. (See Machinery Wanted—Bridge-Lifting Equipment; Pier.)\*

Tex., Fort Worth—Swimming Pool—Recreation Board approved plans for swimming pool in Sycamore Park, also contemplates pool for North Side; estimated cost \$50,000 for both pools; R. D. Evans, Supt. Recreation Dept.

Tex., Houston—Subway—City of Houston, O. P. Holcombe, Mayor, and Southern Pacific Line (Texas Lines), H. M. Lull, Ch. Engr., Houston, joint owners, reported receive bids after March 1 for subway at Houston, reinforced concrete and steel; estimated cost \$134,000.

Tex., Houston—Terminals—Carnegie Steel Co., Pittsburgh, Pa., has acquired 100 acres in Harris County to erect large water terminals for use of all United States Steel Corp. subsidiary companies; will expend about \$5,000,000 in erection of docks and series of warehouses; Corporation will use Houston as distributing point for products throughout Southern Texas.

Tex., Rockport—Breakwater, etc.—See Drainage, Dredging and Irrigation.

### Miscellaneous Enterprises

Ala., Anniston—J. W. King and associates interested in organizing \$15,000 corporation to develop chicken hatchery in Calhoun County.

Ala., Birmingham—Alabama Paper & Metal Ware Co., Inc., capital \$50,000, chartered; Hugh Buchanan, J. D. Higgins.

Ala., Florence—Ginn Floral Co., 322 N. Court St., will erect 100x150-ft. greenhouse, steel pipe and glass, glass roof. (See Machinery Wanted—Building Materials; Ventilating System.)\*

Ala., Bessemer—Commercial Explosives—Hercules Powder Co., W. H. Kiler, Ch. Engr., Wilmington, Del., advises: Have begun construction of following additions: mixing house and cartridge packing house, both frame;

brick dynamite magazine; handled by own engineering department; install special mixing and packing equipment, made to own designs in own shops; Bessemer plant manufacturers all grades of commercial high explosive; at Mariow, Tenn., operate black powder plant and at Hattiesburg and Gulfport, Miss., as well as at Brunswick, Ga., operate naval stores plants; E. S. Wilson, Asst. Engr., Bessemer.\*

Ala., Birmingham—Alabama Oil Brokerage, inc., capital \$10,000, chartered; J. A. Brown, C. B. Markham.

Ark., Conway—Merchandise—Newbern Bros., Inc., capital \$25,000, chartered; C. H. Newbern, R. C. Neal.

Ala., Mobile—Southern Art Glass & Mirror Works, H. Plemme, Owner, Water and St. Emanuel St.; will rebuild burned plant.

Ala., Mobile—Malcolm Partin, Water and St. Emanuel St., will rebuild burned broom manufacturing plant.

Ala., Opp—City, B. C. Stewart, Mayor, let contract to Ward & Son Auto Co. for firefighting equipment; contemplates building truck house.

Ark., Arkadelphia—The Arkadelphia Hotel Building Co., capital \$40,000, incorporated; J. L. Newberry, C. W. Cupp.

D. C., Langdon, Sta. Washington—Fleischman Yeast Co. plans remodeling several plant buildings; Milburn, Heister & Co., Archts., Union Savings Bank Bldg., Washington.

D. C., Washington—Wise Brothers Dairy Co., 3206 N St. N. W., receiving bids for cooler room and refrigerating plant; Milburn, Heister & Co., Archts., Union Savings Bank Bldg.

D. C., Washington—Toilet Articles, etc.—National Capital Laboratories, Inc., 3205 K St. N. W., manufacture cosmetics and toilet articles, daily output 100 gross, specialize in "Eversharp Shaving Cream"; install mixing, filling and packing machinery. (See Machinery Wanted—Tube-filling Machinery; Package Machines, etc.)\*

Fla., Avon Park—J. F. Zoller of Schenectady, N. Y., reported interested in establishing model dairy farm in Florida ridge country.

Fla., Bartow—Bartow Coca Cola Bottling Co., capital \$150,000, incorporated; L. G. Bruce, S. I. Clark.

Fla., Clearwater—Mandalay Steamship Co., incorporated; E. Brewer, L. B. Skinner.

Fla., Cocoa—Brevard Hotel Co., capital \$100,000, incorporated; I. A. Kelly, G. C. King.

Fla., Daytona Beach—Weathers Printing Co., capital \$30,000, incorporated; J. J. Weathers, T. H. Lamar.

Fla., Daytona Beach—Wm. Alexander, representative of the Curtis Enameling System, Inc., 931 Howard St., New Orleans, La., making survey for proposed establishment of plant in Florida.

Fla., Eustis—Dairy—M. E. Strauss and associates, acquired 18 acres in Pine Island, bordering on Lake Eustis; establish complete dairy plant, pasteurizing plant, etc.

Fla., Fort Lauderdale—Incinerator—City will construct garbage incinerator. See Financial News—Bond Issues Proposed.

Fla., Fort Lauderdale—Shannon Construction Co., capital \$25,000, incorporated; S. L. Fitzpatrick, J. R. Curtis.

Fla., Fort Lauderdale—Engineering—Maxwell Arcade Corp., F. W. Maxwell, C. A. Shipman.

Fla., Jacksonville—Mayonnaise, etc.—The Best Foods, Inc., G. C. Spitzmiller, Gen. Mgr., 297 Fourth Ave., New York City, reported taken over 3-story building at Eighth St. and Talleyrand Ave.; will establish plant; proposed output 3600 jars dressing and 20,000 pounds sweet salad oil; Smith, Richardson & Conroy, 336 Bay St., Florida distributors.

Fla., Jacksonville—National Turpentine Products Co., Adrian D. Joyce, Pres., Cleveland, Ohio, capital \$700,000, formed by merger of Florida Wood Products Co. with number of other wood products plants throughout the South; will improve and increase output of various plants.

Fla., Live Oak—Suwanee Stock & Poultry Farms, capital \$100,000, incorporated; W. C. White, D. O. Henry.

Fla., Miami—Knight Construction Co., capital \$1,000,000, incorporated; J. M. Knight, 2518 N. E. Miami Ct.

Fla., Miami—Miami Mattress Co., capital \$250,000, incorporated; L. Wells 333 N. W. Seventh St.

Fla., Miami—Construction—International

Building Corp., capital \$300,000, chartered; J. A. Daly, Hialeah.

Fla., Miami—Florida General Building Co., Inc.; H. E. Foster, 334 N. E. Second Ave.

Fla., Miami—The Florida Hotel Assn., Inc., O. C. Overdorff, Pres., 236 W. Flagler St., organized, plans building 10 laundries, 20 central garages, motor bus plants, etc.

Fla., Miami—Building Materials—F. E. Ferguson, Inc., capital \$100,000, chartered; H. A. Vivian, Palm Ave., Hialeah.

Fla., Okeechobee City—See Ice and Cold Storage Plants.

Fla., Olympia—Electrical Supplies—Martin County Electric Co., Inc., capital \$15,000, chartered; G. S. Rowe, W. M. Towles.

Fla., Orlando—Construction—Long Builders, Inc., capital \$30,000, chartered; A. C. Long, E. H. Posner.

Fla., Orlando—Construction—Flower Brothers, Inc., capital \$100,000, chartered; W. E. Flower, 428 S. Orange St.

Fla., Orlando—Ramsey-Harndon Engineering Corp., capital \$10,000, chartered; G. R. Ramsey, Lake Park Blvd.

Fla., Palm Beach—Palm Beach Builders Supply Co., capital \$25,000, incorporated; H. G. Rice, J. H. Barnett.

Fla., Punta Gorda—Sans Souci Construction Co., capital \$25,000, incorporated; R. I. Harris, J. B. Thompson.

Fla., Sarasota—Roth Cigar Co., capital \$100,000, incorporated; E. and H. M. Roth.

Fla., Sebring—Clawson Sign Co., Inc., capital \$10,000, chartered; A. F. and H. F. Clawson.

Fla., Sebring—H. W. Hall Building Co., capital \$20,000, incorporated; V. S. Elson, H. W. Hall.

Fla., Sebring—H. T. Cliff will erect laundry and dry cleaning plant on Maple Ave., 60x90x20-ft., cement construction; include laundry room, boiler rooms, garage and office.

Fla., Tampa—United Paper Co., Louis Wellhouse, Jr., Treas., 238 S. Franklin St., let contract to Logan Brothers, Citizens Bank Bldg., for \$75,000 plant on Ella Mae St., 2-story, 109x258x304-ft., brick and steel construction; install equipment increasing investment to about \$150,000.

Fla., Tampa—Nu Grape Bottling Co., capital \$150,000, incorporated; G. W. Ward, H. M. Burch.

Fla., Tampa—Art Homes Construction Co., capital \$100,000, incorporated; F. P. Sawyer, M. S. Smith.

Fla., Tampa—Western Florida Building Corp., capital \$50,000, chartered; O. Griffin, P. Phillips.

Fla., Titusville—I. Goldstone, 1458 N. W. First St., Miami, contemplates installing laundry plant.

Fla., Vero Beach—Miller Construction Co., capital \$50,000, incorporated; L. W. Miller, S. N. Smith.

Fla., West Palm Beach—Northern Hotel Corp., capital \$100,000, chartered; R. D. McElroy, R. C. Williams.

Fla., West Palm Beach—Engineering—W. B. Wickham, Inc., capital \$10,000, incorporated; W. E. Wickham, E. T. Bell.

Georgia—W. H. Morris, James Johnson and associates of Geneva, Ala., acquired holdings of J. E. Dyal in Appling County and Bacon County; involves about 2845 acres land, two turpentine distilleries and several land leases.

Ga., Atlanta—Mops—Fickett Manufacturing Co., R. N. Fickett, Sr., Pres., Mayson and Turner Rds., will erect plant addition, 2-story, 85x100-ft.; work to start immediately.

Ga., Atlanta—Prest-O-Lite Co., Inc., main office 38 Forty-second St., New York City, reported, erect \$150,000 plant on Stewart Ave.; monthly output 40 carloads compressed acetylene.

Ky., Louisville—Washington Fidelity Life Insurance Co. formed by merger of Fidelity Life & Accident Insurance Co. of Louisville, the Washington Life & Accident Insurance Co. and United States National Life & Casualty Co. of Chicago.

Ky., Paducah—O'Laughlin, Burns and Vaughn, 123 S. Third St., contemplates remodeling bakery, install new fixtures, machinery in baking department, etc.

Ky., Pikeville—O. A. Stump Hotel Co., capital \$40,000, incorporated; O. A. Stump, I. M. Williams.

Ky., Richmond—Glyndon Hotel Co., capital \$18,000, incorporated; John G. Rogers, W. P. Sullivan.

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Ky., Stanford—Lincoln County Stock Yards Co., W. H. Wearren, Sec., will erect \$12,000 plant, wood construction, galvanized roof, 40,000 sq. ft.; Wm. Stone, Archt. (See Machinery Wanted—Roofing.)

La., Arcadia—Bienville Abstract Co., Inc., capital \$30,000, chartered; W. J. Murphy, W. D. Goff.

La., Baton Rouge—Cutlery, etc.—Southern Belle Co., Inc., capital \$35,000, chartered; Roland B. Howell, 1211 Louisiana National Bank Bldg.

La., Minden—Southern Engineering Construction Co., Inc., capital \$20,000, chartered; A. C. Campbell, S. C. Smith, both Winnfield.

La., Minden—City contemplates installing fire fighting apparatus. Address City Clerk.

La., New Orleans—American Coffee Co., Inc., 800 Magazine St., increased capital to \$100,000.

La., New Orleans—Gulf Coast Towing Co., Inc., capital \$100,000, chartered; H. J. Bremmerrmann, 1315 Union Indemnity Bldg.

La., Shreveport—Ideal Laundry & Dry Cleaning Co., August Goldstein, Pres., 967 Travis St., will expend \$25,000 on plant addition, brick, to house boiler room, power plant equipment, and additional laundry machinery.

Md., Baltimore—Manufacturers Extension Corp., Thomas J. Kane, Pres., 1512 E. Fort Ave., incorporated to manufacture by contract patented "kiddy kar."

Md., Baltimore—The Alpha Hotel Co., Inc., 1437 N. Charles St., capital \$50,000, chartered; Leo. J. Commings.

Md., Baltimore—Ready Haul & Storage Co., 1319 Fidelity Bldg., capital \$100,000, incorporated; Roszel C. Thomson.

Md., Baltimore—May Oil Burner Corp., A. J. Fleischmann, Treas., 331 Madison Ave., New York city, advises: May Oil Burner Corp. of Maryland has taken over business, assets and liabilities of May Oil Burner Corp. of New York; will manufacture, etc.

Md., Baltimore—Office Furniture—Pratt Cabinet & Fixture Works, Inc., 1620 W. Pratt St., chartered; Benjamin S. Jaffe.

Md., Baltimore—Southern Couch Manufacturing Co., Chas. D. Welsberg, Pres., 431 Colvin St., will erect addition to plant; soon call for bids.

Md., Baltimore—American Mayonnaise Corp., 200 N. Eleventh St., chartered; Sidney Musher.

Md., Baltimore—Kelvinator Baltimore, Inc., 1601 Citizens National Bank Bldg., capital \$50,000, chartered; F. Stanley Porter.

Md., Baltimore—Thomas H. Boyer Typewriter & Office Appliance Co., Inc., 300 N. Paca St., chartered; Thomas H. Boyer.

Md., Baltimore—Southern Couch Manufacturing Co., 431 Colvin St., will erect plant addition, 5 story, 58x100 ft.; Stanislaus Russell, Archt., 11 E. Lexington St.

Md., Hagerstown—Textiles—J. C. Roulette & Sons, Inc., capital \$500,000, chartered; Wm. U. Roulette, Geo. E. Roulette.

Md., Hagerstown—Southern Shoe Manufacturing Co., Inc., chartered; H. H. Heyser, J. F. Fechtig.

Miss., Winona—Fire Fighting Equipment—City will purchase 1000-gal. combination electric motor and gasoline engine-driven firepump, complete with auxiliary equipment, 1750 gal. motor-driven service pump, etc.; receives bids March 2; H. F. Jones, City Supt. (See Machinery Wanted—Fire Fighting Equipment.)

Mo., Joplin—Ozark Engineering Co., capital \$25,000, incorporated; A. J. Stauffer, 212 Independent Bldg.

Mo., Kansas City—Laundry—A B C Towel Supply Co., 1921 E. Tenth St., incorporated; Bennet L. Paynter.

Mo., Kansas City—Home Rug Cleaning Co., capital \$10,000, incorporated; Chas. S. Metzler, 5117 Forrest St.

Mo., Kansas City—Printing—Hailman-Hickman Co., 703 Southwest Blvd., incorporated; Fred W. Hailman.

Mo., Kansas City—Home Lace Curtain Cleaning Co. incorporated; Chas. S. Metzler, 5117 Forrest St.

Mo., Kansas City—The Drakehurst Hotel Co., capital \$50,000, incorporated; J. E. Tillotson, 3609 Bellefontaine St.

Mo., Kansas City—Merchandise—Automatic Heat Corp., capital \$25,000, chartered; J. F. Trimble, 4420 Mill Creek.

Mo., North Kansas City—Egg Flats—Mapes Consolidated Manufacturing Co., capital \$219,000, incorporated; H. T. Cherry, Tenth and Locust Sts.

Mo., Poplar Bluff—Charlton-Duncan Mercantile Co., capital \$20,000, incorporated; F. B. Charlton, G. T. Duncan.

Mo., St. Louis—Diamond Steel Highway Sign Co. incorporated; W. P. Luse, E. I. McGill, 202 N. Second St.

Mo., St. Louis—Permway Electrical Manufacturing Co., 2129 Pine St., capital \$10,000, incorporated; J. Melvin Levi, St. Louis.

Mo., St. Louis—Beaumont Medical Building Co., capital \$200,000, incorporated; Ellis Fischel, Federal Commerce Trust Bldg.

Mo., St. Louis—Decorating—Jas. S. Dowling & Co., Inc., chartered; Jas. S. Dowling, 5447 Bartmer St.

Mo., St. Louis—General Asphalt Manufacturing Co. incorporated; S. H. West, 5806 Waterman St.

Mo., St. Louis—Delaware Wet Wash Laundry Co., capital \$20,000, incorporated; K. A. Karidis, 2019 Sudney St.

Mo., St. Louis—Hollywood Catering Co., capital \$50,000, incorporated; Hugo Ridoif, 4930 Terry St.

Mo., St. Louis—Royal Hauling & Contracting Co., 3021 Olive St., capital \$20,000, incorporated; Silas Whitescarver.

Mo., St. Louis—Standard Unit Navigation Co., Carl J. Baer, Pres., 408 Pine St., plans establishing fleet of barges to ply between St. Louis and Kansas City.

Mo., St. Louis—Anheuser-Busch, Inc., 721 Pestalozzi St., reported will install 10-ton capacity yeast plant.

Mo., St. Louis—Drugs, etc.—Bryte Products Co. incorporated; A. L. Bryte, Joseph H. Becht.

Mo., St. Louis—Hearn Roofing Co., Inc., capital \$15,000, chartered; Wm. E. Hearn, 3616 S. Grand Blvd.

Mo., St. Louis—Clothing—Alfred F. Steiner, Inc., capital \$40,000, chartered; Alfred F. Steiner, 1608 S. Broadway.

Mo., St. Louis—Arch Supports—Mueller Foot Corrective Co., 1918 Geyer Ave., incorporated; Ernst J. Mueller.

Mo., St. Louis—Charles A. Niemeyer, Pres., Vane-Calvert Paint Co., 1601 N. Broadway, acquired site on Locust St.; reported will erect \$80,000 fireproof building.

Mo., Valley Park—Price-Powell Varnish Co., capital \$30,000, incorporated; Thompson Price, Richmond Heights; E. J. Powell, Kirkwood.

N. C., Asheville—French Broad Laundry, Inc., capital \$50,000, chartered; T. C. Anders, 65 Houston St.

N. C., Charlotte—Kilgo Transfer Co., 417 S. College St., incorporated.

N. C., Durham—Durham Laundry Co., capital \$150,000, incorporated; C. A. Dillon, J. G. Brown.

N. C., Gastonia—Walters Stationery Co., capital \$50,000, incorporated; W. L. Walters, A. B. Wilson.

N. C., Monroe—C. W. Champe, in charge of Monroe creamery, will enlarge operations.

N. C., Raleigh—Carolina Custom Cabinet Co., capital \$40,000, incorporated; J. E. Wooten, 621 E. Franklin St.

N. C., Shelby—Farmers and Planters Hardware Co., capital \$100,000, incorporated; J. F. Lineberger, Shelby; Charles Nichols, 207 N. Brevard St., Charlotte.

N. C., Shelby—Mortuary—Jack Palmer leased building on Sumter St.; will remodel and convert into modern mortuary.

N. C., Thomasville—The Thomasville Times, J. T. Westmoreland, owner, consolidated with The Chantown News, to be published as The Times and News.

N. C., Waynesville—Henry Hardware, Inc., capital \$25,000, incorporated; James W. Henry, Asheville; J. Fred Henry, Waynesville.

Okla., Altus—Creosoting—Robert P. Woods of Kansas City, Mo., reported, will erect and operate \$175,000 cross-tie creosoting plant.

Okla., Chickasha—J. T. Woods will erect 30,000 bu. capacity sweet potato curing plant; frame, dirt floor.

Okla., Muskogee—Puritan Cafe Co., capital \$18,000, incorporated; John W. Forter, 305 Manhattan St.

Okla., Oklahoma City—Wonder Advertising Co., capital \$100,000, incorporated; R. H. Rucker, E. R. Burton, both Blackwell.

Okla., Oklahoma City—O. K. Radio Community Publicity Co. incorporated; Dudley Shaw, 425 W. Sixth St.

Okla., Sandy Springs—The Swan Co.,

Muskogee, will establish plant to manufacture compounds for polishing lenses, glassware, etc.

Okla., Stillwater—Billy's Bottling Co., capital \$10,000, incorporated; Chas. E. Brewer, 724 E. 13th St., Oklahoma City; D. S. Couch, Helena.

S. C., Georgetown—Carolina Agricultural Co., capital \$150,000, incorporated; C. A. Manship, J. J. Lawton.

Tenn., Bristol—Bristol Fixture & Manufacturing Co., Inc., Seventh St., acquired 2 story, 50x100-ft. building, install \$5000 equipment; to be in operation within 30 days.

Tenn., Knoxville—Leslie Candy Co., 316 E. Depot St., increased capital \$25,000 to \$50,000.

Tenn., Memphis—Saniwax Paper Co. of Kalamazoo, Mich., completing branch factory on South Parkway, install latest improved paper machinery; Kaucher-Hodges & Co., general Contrs., Shrine Bldg.; Geo. Mahan, Jr., Archt., American Bank Bldg., Everett Woods, Associate; Chas. W. Clements, local Mgr.

Tenn., Memphis—Nehl Bottling Co., capital \$20,000, incorporated; H. M. Rhodes, 269 Kenilworth St.

Tenn., Nashville—Publishing—The Parisian, John R. Rison, Jr., Owner, will erect plant on E. Washington St.; building also to contain stores.

Tex., Abilene—Abilene Barber Supply Co., capital \$10,000, incorporated; Burney Finn, F. A. Badami.

Tex., Angleton—Angleton Fig Co. increased capital, \$15,000 to \$30,000.

Tex., Austin—Hicks Rubber Co. of Austin, Inc., capital \$15,000, chartered; Fred Hicks, 800 Blanco St.

Tex., Beaumont—Police and Fire Systems—City will install police alarm signal system, extend fire department alarm system, etc. Address City Clerk. See Financial News—Bond Issues Proposed.

Tex., Brownwood—Keen Bottling of Brown County, capital \$10,000, incorporated; J. R. McDonald, W. J. Odell.

Tex., Dallas—Trinity Fire Insurance Co., Santa Fe Bldg., increased capital, \$250,000 to \$1,000,000.

Tex., Dallas—Gulf Fire Insurance Co. of Dallas increased capital to \$750,000.

Tex., Dallas—Lawson Rubber & Manufacturing Co., Inc. B. H. Abbott, Sec., 1329 Plowman Ave., advises increasing capital as lately noted; permits the establishing of new machinery and equipment, daily output about 10,000 tire patches, etc.

Tex., Fort Worth—Printing—Lane-Greene-Freely Co., Inc., capital \$10,000, chartered; Sam Lane, W. L. Freely.

Tex., Galveston—Galveston Ice Cream Co., L. M. Kelsey, Mgr., 23d and Avenue K, installing new equipment, including 30-ton refrigerating unit, new pasteurizers, steam sterilizing vat, etc.; to be completed by April 1.

Tex., Grand Saline—Merchandise—T. B. Meeke Co., capital \$88,000, incorporated; T. M. Brittain, B. E. Overton.

Tex., Houston—Merchandise—C. W. Bull Equipment Co., 3718 Harrisburg St., capital \$400,000, incorporated.

Tex., Houston—Triple XXX Root Beer Co., W. T. Peckinbaugh, Pres., 807 McKinney Ave., let contract for 22x24-ft. plant; tapestry brick, concrete floors, tile roof; install equipment to manufacture and distribute Triple XXX root beer, daily capacity 1000 gals.; machinery furnished by Southern Beverage Co., 3310 F St., Galveston, Tex.

Tex., Iowa Park—John B. Barbour Trucking Co., Inc., John B. Barbour, Mgr., advises: Do not contemplate building at this time; however, may erect 100x150-ft. sheet iron or brick building some time during year.

Tex., Laredo—Laredo Robert E. Lee Hotel, Inc., capital \$100,000, chartered; Percy Tyrrell, Bertha Tyrrell.

Tex., San Antonio—Oil Filling Equipment—O. N. Jaye Corp., capital \$50,000, chartered; T. Alex. Taylor, N. Jaye.

Tex., San Antonio—V and S Pants Co., capital \$35,000, incorporated; A. G. Kingston, 745 Drexel St.

Tex., Sequim—Chamber of Commerce interested in establishing cucumber canning plant, estimated cost \$25,000, including machinery.

Va., Bristol—Service Candy Co., Inc., capital \$15,000, chartered; F. P. Nininger, L. K. Baumgardner.

Va., Richmond—Virginia Realty Publishing

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Co., Inc., chartered; Roy B. Bradley, Libby Ave.

Va., Smithfield — Abattoir — Pocahontas Packing Corp., capital \$25,000, chartered; Porter Hardy, Jr., Churchland St., Norfolk; J. M. Batten, Smithfield.

W. Va., Bluefield — Warlick Piano Rooms, Inc., Raleigh St., capital \$35,000, chartered; W. C. Warlick.

W. Va., Huntington — NuGrape Bottling Co., capital \$25,000, incorporated; Jacob Householder, G. E. Stokes.

W. Va., Kenova — Jeffrey-Dewitt Insulator Co., J. F. Sinclair, Gen. Mgr., contemplates expending \$30,000 on plant improvements, increasing capacity.

W. Va., Logan — Logan Warehouse Storage Co., incorporated; T. F. Bailey, W. J. Harvie.

W. Va., Marlinton — Marlinton Electric Co., capital \$50,000, incorporated; F. P. King, Carl L. Sheets.

W. Va., Mullens — Burton Baking Co., capital \$10,000, incorporated; W. T. Burton, T. K. Farley.

W. Va., Parkersburg — Triangle Trucking Corp., capital \$25,000, chartered; Dan B. Leonard, 326½ Juliana St.

### Motor Bus Lines and Terminals

Ark., Little Rock — The Smith Auto Livery Co., W. A. Smith, Pres., 110 Louisiana Ave. ordered 4 additional parlor motor busses, extend line to Hot Springs.

N. C., Raleigh — W. A. Watson interested in operating Pullman buses, each equipped with 10 sleeping compartments on overnight trips between Raleigh and Charlotte and Raleigh and Wilmington.

N. C., Lumberton — Cape Fear Bus Co., capital \$10,000, incorporated; J. B. Bruton, Loya Bruton.

W. Va., Lillybrook — Beckley-Stonecoal Bus Co., capital \$50,000, incorporated; Prince E. Lilly, John R. Hornbrook.

W. Va., Bluefield — Yellow Cab Co., capital \$10,000, incorporated; J. D. Abshire, Princeton Ave.

W. Va., Huntington — United Bus Terminal Co., Hines Bldg., Fifth Ave., incorporated; A. M. Hill, Pres.; terminal leased jointly by Midland Trail and Cannonball Bus lines.

### Motor Cars, Garages, Filling Stations

Ala., Birmingham — Auto Service & Supply Co., Inc., capital \$10,000, chartered; W. T. Moncrief, 4131 Ave C.

Ala., Birmingham — Birmingham & Montgomery Transportation Co., Inc., 1912 Fourth Ave. N., will erect 1-story, 100x150-ft. waiting room and garage, brick with concrete floors, composition roof; estimated cost \$40,000; install about \$60,000 equipment; operates buses between Birmingham and Montgomery; will build own terminals in both cities in the coming spring.

Fla., Clearwater — Garages — Freudenheim Crews Corp., capital \$75,000, chartered; E. A. Freudenheim, A. B. Crews.

Fla., Miami — See Miscellaneous Enterprises.

Fla., Sebring — S. H. Gould, 126 Oak St., will erect storage garage on Poinsettia St., 143x150x26 ft., cement block and stucco, storage capacity 300 automobiles.

Fla., Tampa — Hall's Garage, Inc., Harold C. Hall, Pres., Cass and Marion Sts., reported, leased site on Jefferson St. and Harrison, 108x186x108 ft.; will erect garage, pressed steel, fireproof; cover approximately 10,000 sq. ft.

Fla., West Palm Beach — Automobiles — Palm Beach Wills Sainte Claire, Inc., capital \$50,000, chartered; H. O. Hart, F. L. Allen.

Fla., West Palm Beach — Dupont Motors, Inc., capital \$50,000, chartered; L. D. Dupont, C. L. Maxwell.

Fla., Winter Garden — Martin-Overland, Inc., capital \$25,000, chartered; A. H. Martin, Jr., J. T. Gurney.

Ga., Atlanta — Pan-American Southern Petroleum Co., Hunt Bldg., contemplates establishing filling stations in southeast section, surveys being made.

Ga., Valdosta — E. H. Rogers building 1-story, 40x50-ft. accessory store and filling station, tile and stucco; all materials purchased.

La., Amite — Nettles Motor Co., Inc., capital \$12,000, chartered; M. Eyrie Nettles, F. L. Fortenberry.

La., Baton Rouge — Auto Parts Co., Inc., capital \$25,000, chartered; Wm. A. Atkinson, 1952 North St.

La., Minden — Automobile Accessories — J. R. Crumpton, Inc., capital \$10,000, chartered; J. R. Crumpton, J. S. Rowe.

La., Monroe — Monroe Auto Wrecking Co., G. L. Mahoney, Pres., Lee Ave., let contract for 10,000 building at Forest and Lee Sts.; 150x32 ft., frame and stucco, cement floor.

Md., Baltimore — Acme Filling Station, Inc., North Point and Sparrows Point Rds., capital \$50,000; Wm. J. Heilman.

Md., Reisterstown — The W. S. Garage, Inc., capital \$10,000, chartered; Walter J. L. Smith, Claude A. Warner.

Mo., Kansas City — General Tire & Rubber Co., capital \$10,000, incorporated; J. D. Cudlip, 2406 McGee St.

Mo., Kansas City — Automobile Accessories — Eaton Bumper & Spring Service Co., incorporated; C. C. Bradford, 1601 Oak St.

Mo., St. Louis — Art Upholstering & Trimming Co., incorporated; A. C. Bauer, 903 N. Sixth St.; repair and paint automobiles.

Mo., Webster Groves — Webster Groves Motor Co., capital \$10,000, incorporated; Joseph E. Reis, St. Louis; Charles Glader, Webster Groves.

N. C., Charlotte — The Mack International Motor Truck Co., R. H. Strickland, local Mgr., W. Fourth St., main office, 25 Broadway, New York City, will erect office and service building; serve as distributing point in southeast.

Okla., Lamont — Naramore Chevrolet Co., Inc., chartered; C. T. Naramore, Lamont; C. H. Raston, Glencoe.

Okla., Miami — Miami Motor Co., capital \$27,000, incorporated; C. W. Corbett, A. G. Creninger.

Okla., Tulsa — E. C. Harvey Motor Co., capital \$50,000, incorporated; E. C. Harvey, 1223 E. 18th St.

Okla., Tulsa — Continental Oil Co. acquired 140x100-ft. site at Denver and Fifth St.; erect filling station.

S. C., Columbia — Whitton's Parts & Service, incorporated; W. B. Whitton.

Tenn., Memphis — R. W. Hartwell Motor Co., 395 Monroe Ave., capital \$25,000, incorporated; R. W. Hartwell.

Tenn., Memphis — Automobiles — Geo. S. Danaher Co., 1071 Union St., capital \$25,000, incorporated; Geo. S. Danaher.

Tex., Beaumont — Herman Weber awarded contract at \$15,000 for garage building for Southwestern Bell Telephone Co., 1-story, brick and stone.

Tenn., Knoxville — Knoxville Sales Co., 612 E. Depot St., increased capital \$25,000 to \$50,000.

Tenn., Knoxville — Gay Broadway Holdings Co. will erect \$50,000 garage and sales room on Gay St.; 2-story, 50x210 ft., concrete and tile; to be occupied by Knoxville Buick Sales Co., 419 W. Depot St.

Tex., Chillicothe — R. C. Jones, Contr., 1902 S. Cumberland St., Vernon, Tex., has contract for garage on Fannin St.; brick, fireproof, 30x110 ft., concrete floors, Johns Manville roof; under construction; R. H. Stuckey, Archt.; Eunice Wilson, Owner. (See Machinery Wanted—Holist.)

Tex., Columbus — S. A. Harbert let contract to B. H. Faber, Eagle Lake, for 60x130-ft. garage with 28x60-ft. filling station, tile, sheet iron, concrete floors, corrugated iron roof, estimated cost \$11,325; construction begun; bid opened for equipment.\*

Tex., Houston — Southwestern Construction Co., West Bldg., has contract for Schumacher Building at 1518 Washington Ave.; 2-story, brick, reinforced concrete, Hu-stone, tile, cement stone and Truseco metal; Bricker, Wiggins & Brickey, Archts., State National Bank Bldg.; to be occupied by Central Chevrolet Co.

Tex., Port Arthur — Smith-May Motor Co., 640 Proctor Ave., let contract to Secrest Construction Co., 1243 5th St., for garage and sales building, 1-story, 100x140 ft., hollow tile and stucco, estimated cost \$35,000.

Tex., Sherman — Hubbard-Varner Motor Co., capital \$30,000, incorporated; T. J. Hubbard, Fred Varner.

Tex., Victoria — Sibley Shaw let contract to Ed Wagner for brick filling station cor. Main St. and Slayton Ave.

Tex., Wichita Falls — Transfer and Storage — Harry Martin, Inc., capital \$10,000, chartered; I. R. Sheldon, 700 Denver St.

Va., Alexandria's Corner, R. F. D. No. 1, Portsmouth — Automobile Accessories — Har-

cum & Puryear, Inc., chartered; A. H. Harcum, Norfolk; R. H. Puryear, Portsmouth.

Va., Bristol — H. Smith Motor Co. will occupy building on W. State St., being erected by Dr. S. J. Bachman; construction being done by Virginia Wood Working Co.; 1 story, 50x130 ft., estimated cost between \$12,000 and \$15,000.\*

W. Va., Huntington — Easy Pay Tire Co., capital \$25,000, incorporated; H. M. Burke, 824 Madison Ave.

W. Va., Huntington — Wright Tire Co., capital \$10,000, incorporated; John H. Culton, 820 11th Ave.

W. Va., Welch — Buick Sales Agency, Inc., capital \$25,000, chartered; O. J. Hunter, G. W. Howard.

### Railways

Fla., For Lauderdale — Florida Power & Light Co. contemplates construction of a railroad 5 mi. long from its plant to the ocean beach. S. R. Inch, 24 Northwest St., Miami, Fla., is Pres.

Mo., Jefferson City — Missouri Pacific Railroad has let contracts to Winston-Hill Construction Co. of Minneapolis, Minn., and List & Weatherly Co. of Kansas City, Mo., to build second track between Jefferson City and Washington, Mo.

### Railway Shops and Terminals

Tenn., Paris — Louisville & Nashville R. R., W. H. Courtenay, Ch. Engr., Louisville, Ky., reported, will rebuild burned planing mill of local shop.

### Roads, Streets and Paving

Large sums are being expended for roads, streets and paving in connection with Land Development operations. Details will be found under that classification.

### Proposed Construction

Alabama — State Highway Comm., Montgomery, receives bids March 10 for Federal Aid Project No. 155, 6.75 mi. road beginning at intersection of Madison Ave. and Safford St. and extending to Federal Aid Project No. S6; 85,012 cu. yds. common excavation; 35,000 pounds reinforcing steel; surfacing alternates, 72,500 sq. yds. one course plain cement concrete, 2½-in. penetration macadam with one in. sheet asphalt seal or 3-in. sheet asphalt, 2-in. asphaltic concrete, 2-in. lime-rock asphalt hot mix, 1½-in. sheet asphalt on 2½-in. black base; 25,500 cu. yds. clay gravel base course; for bridges 385 cu. yds. class A concrete; 61,000 pounds reinforcing steel; 23,400 pounds structural steel; W. A. McCalla, State Highway Engr.\*

Ala., Anniston — City plans paving 64 blocks or 5 mi. concrete walks; estimated cost \$24,000; H. P. Harris, City Engr.

Ala., Birmingham — Jefferson County and City of Bessemer will build east and west highway through Bessemer; county to furnish labor and city material.

Florida — State Road Dept., Tallahassee, receives bids March 2 for 3 roads: Wakulla County, Project 644-A, Road No. 10, 10.35; Alachua County, Projects 617 and 618, Road No. 5, 16.06 mi.; J. L. Cresap, State Highway Engr.

Fla., Boynton — City plans widening Dixie Highway. See Financial News—Bond Issues Proposed.

Fla., Brooksville — City plans improving streets and pavements; F. S. Parrizan, Engr. See Financial News—Bond Issues Proposed.\*

Fla., Bunnell — City plans street paving program, approximate cost \$500,000; N. A. Hotard, Engr., New Smyrna.

Fla., Daytona Beach — Ocean Shore Improvement Dist., Flagler and Volusia Counties, receives bids March 25 for 40 mi. paving, 20 ft. wide, and culverts in district; C. M. Rogers, Engr. in Chg., Daytona Beach.

Fla., Deland — Volusia County Commrs., W. P. Wilkinson, Chmn., receive bids March 4 for 7 mi. Orange City-Enterprise road, rock base and asphalt surface treatment; N. O. Hotard, Engr., New Smyrna, Fla.

Fla., Gainesville — City plans paving part of Jacksonville Highway within city limits; J. H. Vidal, Councilman. See Financial News—Bond Issues Proposed.

Fla., Groveland — County Commrs. plan hard surface highway from Helena Run through Bloomfield, Halaha, Howey and Groveland to connect with State Highway No.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.



2. See Financial News—Bond Issues Proposed.

Fla., Miami—City plans improving streets. See Financial News—Bond Issues Proposed.\*

Fla., New Smyrna—City will pave Canal St.; B. F. Brass, Atty.

Fla., Palatka—City Comsn. plans paving approximately 10 mi. city streets; estimated cost \$530,000.

Fla., Sanford—City plans improving streets. See Financial News—Bond Issues Proposed.

Fla., Sarasota—City will receive bids, pave Twenty-fourth St., Hillcrest subdivision and School lane; also widen Tuttle Ave.

Fla., Titusville—Brevard County contemplates improving roads. See Financial News—Bond Issues Proposed.

Fla., Vero Beach—City, H. G. Redstone, Clk., receives bids March 12 for following works: 23,000 cu. yds. subgrading, 62,842 sq. yds. of waterbound macadam paving with asphalt surface treatment, 45,251 ft. of combined curb and gutter, 1500 ft. of 10-in., 645 ft. of 12-in., 395 ft. of 15-in., 130 ft. of 30-in. vitrified pipe storm sewer; forty concrete storm sewer bulkheads, 1600 ft. of 60-in. segment block culvert, 377 ft. of 8-in. vitrified pipe storm sewer; Carter & Damerow, Engrs., Ga.

Ga., Fitzgerald—City receives bids March 5 for 10,500 sq. yds. street paving, either asphalt, brick or concrete, 4000 lin. ft. combined concrete curb and gutter; J. H. Mayes, Mayor; O. H. Lang, Consulting Engr., Moultrie, Ga.

Ga., Summerville—Chattanooga County Comms. plan building roads. See Financial News—Bond Issues Proposed.

Ga., Tifton—City plans paving Love Ave., Main St., South Central, 3d St., North Central Ave., North Park Ave. and Tift Ave. See Financial News—Bond Issues Proposed.

Ga., Wrightsville—Johnson County plans improving highways. See Financial News—Bond Issues Proposed.

Kentucky—State Highway Comsn., Frankfort, plans trunk line road, Federal, State and County aid project, connecting Louisville and Middlesboro, intersecting road leading to Middlesboro.

Ky., Hyden—Leslie County contemplates improving roads and bridges. See Financial News—Bond Issues Proposed.

Ky., Paducah—McCracken County plans improving roads. See Financial News—Bond Issues Proposed.

Louisiana—Louisiana Highway Comsn., Baton Rouge, receives bids March 16, 5.25 mi. Sec. C, State Project 373-C, St. Tammany Parish, Covington-Franklin Highway, Folson to Washington Parish Line; W. B. Robert, State Highway Engr.

Louisiana—Louisiana Highway Comsn., Baton Rouge, receives bids February 23, State Project 529-B, 2.83 mi. Donaldsonville-White Castle Highway, Ascension Parish; W. B. Robert, State Highway Engr. See Machinery Wanted—Gravel.

Louisiana—Louisiana Highway Comsn., Baton Rouge, receives bids March 16 for 2 sections State Project 380, Eunice-Lecompte Highway, Evangeline Parish, Sec. B-2, 6.11 mi. from north city limits of Turkey Creek to north city limits of Pine Prairie; Sec. C-1, 2.79 mi. from north city limits of Turkey Creek to end of gravel road south of Meridian; W. B. Robert, State Highway Engr.

La., Alexandria—City receives bids March 1 to pave sidewalks with concrete and construct curbing with cement on south side of Shirland Ave. from 16th St. to 17th St.; address County Engr., Alexandria.

La., Baton Rouge—Louisiana Highway Comsn. receives bids March 16 for 5.25 mi. state project 373-C, St. Tammany parish, Covington-Franklin Highway.

La., Baton Rouge—Louisiana Highway Comsn., Raymond Bldg., Baton Rouge, receives bids February 23 for 7.65 mi. Jonesboro-Monroe Highway, State Project No. 414-C, Jackson Parish.

La., Baton Rouge—State Highway Comsn., Raymond Bldg., Baton Rouge, receives bids March 2 for street paving. Address The Mayor, Project 450-B, 8 mi. Logansport-Gloster highway; Ascension parish, State Project 359-E, 4.23 mi. Sorrento-Burnside highway.

La., Cedar Grove—City will receive bids March 2 for construction cement sidewalks on south side Seventy-fourth St.; approximately 4800 ft.; Charles D. Evans, Consulting Engr., Shreveport, La.

La., Napoleonville—Assumption Parish Police Jury receives bids February 27 for approximately 12 mi. hard surfaced roads in road Dist. No. 3; J. C. Waties, Civil Engr., Napoleonville.

La., Plaquemine—City plans subsurface drainage, paving and sidewalks; approximate cost \$125,000; Swanson-McGraw, Consulting Engrs., Balter Bldg., New Orleans.\*

Md., Baltimore—City, Howard W. Jackson, Mayor, plans opening, widening and grading Belvidere Ave. from Palmer Ave. to Reisters-town road and Longwood St. from Franklin road to Lanvale St.

Md., Frederick—Frederick County Comms. will not receive bids to improve roads lately incorrectly noted. (This item should have been Frederick, Okla.)

Miss., Columbus—City will receive bids March 2 for street paving. Address The Mayor.

Miss., Columbus—City receives bids March 2 to pave streets; 21,500 cu. yds. earth excavation, 40,000 sq. yds. paving, 18,850 lin. ft. curb and gutters; 6200 lin. ft. 15-in. T. C. pipe; Robt. L. Totten, Inc., Const. Engr., Brown-Marx Bldg., Birmingham, Ala.

Miss., Philadelphia—City receives bids March 2, pave Poplar St. from North line of Main St. to south line of Rose St. and Main St. from west property line of Church St. to east property line of Poplar St.; J. V. Welsh, Clk.

Miss., Quitman—Clarke County, Board of Suprs. receives bids February 25 for 14.72 mi. federal aid project 78-A and 83-B, state trunk road between Meridian and Waynesboro; 87,188 cu. yds. common excavation; 72,249 lbs. reinforcing steel; 168,988 ft. B. M. untreated lumber; plans from State Highway Engr., Jackson, Miss.

Miss., Starkville—Oktibbeha County Board of Suprs. plan improving roads. See Financial News—Bond Issues Proposed.

Missouri—State Highway Dept., Jefferson City, received low bid from Independent Construction Co., Pittsburg, Kansas, at \$16,917.47 for .966 mi. 18 ft. concrete pavement.

Mo., Columbia—Boone County plans improving roads. See Financial News—Bond Issues Proposed.

Mo., Kansas City—City plans paving roadways to south approach of Liberty Memorial; two 27 ft. roadways, with 67 ft. parking space, 8200 sq. yds. 7 in. concrete pavement, 5170 ft. curbing and 1250 sq. yds. bituminous macadam pavement; estimated cost \$31,000; park department will pay half and the Liberty Memorial Association half; address W. H. Dunn, Supt. Parks.

Mo., Kirksville—City plans paving South Elsob St. Address the Mayor.

Mo., St. Louis—City Board of Public Service receives bids March 2 to reconstruct Eastern Ave. from Prairie Ave. to Marcus Ave., Lynch St. from Thirteenth St. to Gravois Ave. and Ohio Ave.; removing and re-setting existing curb.

Mo., Webb City—City plans improving streets. See Financial News—Bond Issues Proposed.\*

North Carolina—State Highway Comn., Raleigh, received low bids for 14 roads totaling 123.33 mi.: Swain County, 6.83 mi. hard surface, Ziegler Brothers, Greensboro, \$178,171.80; Henderson County, 4.07 mi. grading, W. E. Graham, Mount Ulla, \$38,312.60; structures, C. R. Willard & Son, Andrews-Law Bldg., Spartanburg, S. C., \$25,434.75; Richmond County, 9.87 mi. grading, H. C. Carter, Mebane, \$55,409.20; structures, Hobbs-Peabody Co., Charlotte, \$25,752.20; Mecklenburg County, 6.47 mi. grading, W. E. Graham, Mount Ulla, \$68,618.60; structures, Atlantic Bridge Co., Greensboro, \$16,821.50; Gaston County, 8.178 mi. grading, Huffet & Ginz, Gastonia, \$100,292; structures, P. S. Mims, Spartanburg, \$102,641; Randolph County, 10.27 mi. hard surface, R. H. Wright & Son, Bryson City, \$273,037; Wake County, 7.95 mi. grading, Nello L. Teer, Geer Bldg., Durham, \$47,125; structures, T. A. Loving & Co., Goldsboro, \$47,813.50; Wake County, 6.57 mi. hard surface, Highway Engineering and Construction Co., Shelbyville, Delaware, \$182,810.60; Person County, 9.16 mi. paving, R. H. Wright & Son, Bryson City, \$173,025.50; Robeson County, 13.46 mi. hard surface, O. F. Leighton, Mutual Bldg., Richmond, Va., \$294,592.50; Bladen County, 12 mi. topsoil, J. F. Mulligan Construction Co., North Wilkesboro, \$74,929.10; Johnston County, 15.96 mi. grading, Nello L. Teer, Durham, \$99,245.50; structures, E. A. Wood & Co., Andrews, \$115,002; Wilson County, 7.45 mi. hard surface, F. J. McGuire, Bankers Trust Bldg., Norfolk, Va., \$228,641.10; structures, Ziegler Brothers, Greensboro, \$6230; Beaufort County, 8.56 mi. hard surface, O. F. Leighton, Richmond, Va., \$187,339.70.\*

N. C., Elizabeth City—City plans improving 23 street projects, estimated cost \$216,422. See Financial News—Bond Issues Proposed.

South Carolina—State Highway Dept., Columbia, receives bids March 2 for 3 roads: Abbeville County, 2.92 mi. State Route No. 7, Calhoun Falls to Savannah River, approximately 19,670 lbs. reinforcing steel; Greenwood County, 10.585 mi. State Route No. 55, 14,854 lbs. reinforcing steel; Orangeburg County, 5.721 mi. State Route No. 24, 20,896 lbs. reinforcing steel; Samuel McGowan, Ch. Highway Commr.

S. C., Anderson—Anderson County Board of Comms. receives bids February 19 for 3.75 mi. road from Pelzar by the Tommy Rogers place towards Piercetown; Harold Ziegler, Clerk; A. H. Patterson, County Engr.

S. C., Greenwood—Greenwood County Highway Comsn. plans building topsoil road from Devore's Store to Friendship on Dixie Highway; approximate cost \$50,000.

S. C., York—York County Comms., J. D. Smith, Supvr., receive bids February 18 to grade 7 mi. Wateree road from State Highway No. 5 at Newport Station to State Highway No. 163; W. W. Miller, County Engr., Rock Hill, S. C.

Tenn., Clarksville—City plans paving 2 mi. North Second St. and Castle St., estimated cost \$25,000. Address The Mayor.

Tenn., Morristown—Hamblen County plans improving roads. See Financial News—Bond Issues Proposed.

Texas—State Highway Comsn., Austin, receives bids March 5 for 34 roads: Sec. 1, 161 mi. Red River County, No. 5; Bowie County, No. 1, 8 and 5; Cass County, No. 8; Titus County, No. 1; Delta County, No. 39; Collin County, No. 78; Denton County, No. 10, 40; Wise County, No. 2; Section 2, 117 mi. Johnson County, No. 68; Hood County, No. 10; Somervell County, No. 68; Bosque County, No. 67, 69; McLennan County, No. 67, 2; Hill County, No. 31; Sec. 3, 50 mi. Bell County, No. 2; Williamson County, No. 2-A, 29, 43, 74; Milam County, No. 44; Sec. 4, 183 mi. Howard County, No. 1; Martin County, No. 1; Midland County, No. 1; Ector County, No. 1; Scurry County, No. 7; Pecos County, No. 11; Brewster County, No. 3; Potter County, No. 5 and 33.

Texas—State Highway Comsn., Austin, Tex., receives bids March 4 to grade, surface and reinforce concrete girder bridge on .496 mi. State Highway No. 10, Erath County; W. P. Kemper, Acting State Highway Engr., Austin, Tex.

Tex., Abilene—Taylor County plans grading on 6 mi. highway; L. C. McCandless, County Engr., Abilene, Texas.

Tex., Beaumont—City plans improving parts of following streets, estimated cost \$400,000: Ash Ave., Ave. A and C, Center, Emmett, Elizabeth, Ewing, Houston, Irma, Johns, Laurel, Ninth, Orange, Park Pennsylvania, Royal, Pecos Blvd., Ave. F, Poch, Sixth, South, Victoria, Mariposa, Gladys Sts.; Ollie J. Bloyd, City Mgr.\*

Tex., Canyon—City plans paving east half Seventh Ave. Address The Mayor.

Tex., Carthage—Panola County Comms. Court receives bids March 4 for 2 sections of road: Letting No. 11, Job No. 183-H, 5.093 mi., clearing, grubbing, earth work, drainage structures; Letting No. 12, Job No. 183-G, 6.472 mi., clearing, grubbing, earth work, drainage structures; D. E. Martin, County Engr., Carthage.

Tex., Clarksville—Red River County, Geo. Morrison, County Judge, receives bids March 15 for 1.01 mi. Job No. 194-H, Highway No. 66, grading, drainage structures and gravel.

Tex., Corpus Christi—Oceanside Toll Road Co., Sam Robertson, Brownsville, reported will build 150 mi. toll road, Corpus Christi to Brownsville, in connection with development of subdivision.

Tex., Dallas—Dallas County, Charles E. Gross, County Auditor, receives bids March 8 to gravel and construct drainage structures on 3 mi. Sachse road, State Aid Project No. 643, between Sachse and Colin County line; R. H. Clinger, County Engr., Dallas.

Tex., Del Rio—Val Verde County, W. F. Littleton, Judge, receives bids grading and culverts on .104 mi. highway No. 85, State Aid Project No. 660; estimated cost \$10,000.

Tex., Denton—City let contract to W. M. Jagoe Co., Denton, to pave East Oak St., Texas St. and Normal Ave.

Tex., Eagle Lake—City, R. R. Westmoreland, Mayor, receives bids March 9 for 1200 lin. ft. curb and gutter, 9800 sq. yd. 6 in., 1 2 2 concrete pavement; estimated cost \$20,000; B. H. Faber, Engr., Eagle Lake.

Tex., Ferris—City plans street paving; M. McCall, Mayor. See Financial News—Bond Issues Proposed.

Tex., Fort Worth—Tarrant County, Emmett

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Moore, County Judge, will secure 80 ft. right of way for Fort Worth-Dallas highway from Stop Haines to the east limits of Handley.

Tex., Galveston—Galveston County plans improving Port Arthur-Galveston Highway from Port Bolivar to High Island; C. C. Washington, Engr. See Financial News—Bond Issues Proposed.\*

Tex., Houston—Harris County Commrs. plans improving roads. See Financial News—Bond Issues Proposed.\*

Tex., San Antonio—City plans widening Market St., also Fourth St. at Nagadoches St.; John W. Tobin, Mayor.

Tex., Taylor—City plans topping gravelled streets with asphalt or other material. A. V. Hyde, City Mgr.

Tex., Waxahachie—Ellis County, H. R. Stovall, County Judge, receives bids February 27 for grading and drainage structures on 4.18 Highway No. 6; estimated cost \$26,474; W. A. Spalding, County Engr.\*

Va., Danville—City plans street paving; estimated cost \$113,500; will receive bids for work in near future.\*

West Virginia—State Highway Comsn., Charleston, receives bids March 16 for 15 roads: Greenbrier County, Project 3236-A, 3 mi. Pocahontas County line, south towards Frankford road, grade and drain; Pocahontas County, Project 3235-B, 6 mi. Elk Mountain toward Randolph County line road, grade and drain; Monroe County, Project 3304-B, 8 mi. Lindeide-Peterstown road, grade and drain; Mason County, Project 3242, 2.9 mi. Brosila-Point Pleasant road, grade, drain and gravel surfacing; Putman, Projects 3299, 3350, 3326, 3247, delivery 60,000 cu. yds. gravel on Kanawha River bank at or near Winfield, or Buffalo; Hancock County, Projects 3253 and 2055, and Brooke County, Project 3114-C, 3 mi. grade and brick paving, 1 mi. reconstruction brick paving; Upshur County, Project 3340, 2m 1. Pecks Run-Century road, grade, drain and pave with bituminous macadam; Hardy County, Project 3214-B, 5 mi. Moorefield-Baker road, grade and drain; Pendleton County, Project 3208, 3 mi. Franklin-Bradysville road, grade and drain; Tucker County, Project 3333, 1.8 mi. Hambleton-Hendricks road, grade and drain; E. B. Carskadon, Sec.

#### Contracts Awarded

Ala., Mobile—See Bridges, Culverts and Viaducts—Contracts Awarded.

Ala., Selma—City let contract to Selma Gravel Co., Selma, Ala., repair 22,000 sq. yds. old concrete pavement and cover with Ky. Rock 1½ in. after rolling; W. O. Crisman, Engr., Selma.

Ala., Union Springs—City let contract to Hodgson and Jones Montgomery, at about \$60,000, to pave Main St.

Ark., Little Rock—City let contract to M. D. L. Cook, Southern Trust Bldg., Little Rock, at approximately \$10,000 to pave Second St., Main St. to Broadway and Louisiana Second to Markham; A. M. Lund, Engr.

Ark., Siloam Springs—Board of Improvement, Paving Improvement Dist. No. 4, R. M. Petty, Sec., let contract to E. H. Locher, American Natl. Bank Bldg., Okmulgee, Okla., at \$74,784.25, plain concrete or \$81,504.25, reinforced concrete or \$82,702.65, brick and plain concrete; W. L. Miller, Siloam Springs, Ark., \$7858.85 to build bridge.\*

Fla., Tampa—Hillsborough County Comsn. let contracts to J. C. Johnson, Port Tampa, at \$33,206, to pave Florida Ave., Bearse Ave., Fletcher Ave., School House road, present Magdalene road to be widened, Linebaugh Ave and Lake Carroll road.

Kentucky—State Highway Comn., Frankfort, let contracts to grade and drain 3 roads: Hardin County, 4.147 mi. Elizabeth-town-Leitchfield road, General Construction Co., Harrodsburg, \$87,279.55; Madison County, 3.590 mi. Richmond-McKee road, Vandiver Construction Co., Harrodsburg, \$87,279.63; Graves County, 15.313 mi. Mayfield-Fulton road, Carter, Carter & Braden, Clay, \$107,212.60; Hickman County, 6.933 mi. Clinton-Bardwell road, Landrum Brothers & Ewell, Dyer, Tenn., \$66,603.01; Fulton County, 2.986 mi. Fulton-Clinton road, Landrum Brothers & Ewell, \$14,777.40; Fulton County, 1.477 mi. Fulton-Mayfield road, Lee Carter & Co., La Center, \$16,907.43.\*

Miss., Holly Springs—State Highway Commission let contract for 2.2 mi. roadbed between Holly Springs and Oxford, Project 66-B, Marshall County, to F. D. Harvey & Co., 688 S. Bellevue St., Memphis, Tenn.; graveling, Batesville Gravel & Material Co., Union Planters Bank Bldg., Memphis; cost \$33,000.

Missouri—State Highway, Jefferson City,

let contracts for 45 roads: Jasper County, .968 mi. 18-ft. concrete, Independent Construction Co., Pittsburgh, Kans.; Linn County, 3 projects, 10.217 mi. 30-ft. graded earth, R. P. Harper Construction Co., Chillicothe, Mo.; Linn County, 4.980 mi. 30-ft. graded earth, Oscar H. Schmidt, Bartlett Trust Bldg., St. Joseph, Mo.; Andrew County, 2.919 mi. 18-ft. concrete, Fred F. Eberhardt Paving Co., Salina, Kan.; Daviess County, 4 projects, 10.414 mi., 9-ft. concrete, C. H. Atkinson Paving Co., Watertown, S. D.; DeKalb County, 4.148 mi. 9-ft., C. H. Atkinson Paving Co.; Howard County, .625 mi. 22-ft. Amiesite, Haller-Emerson Co., Booneville, Mo.; Pettis County, 3.468 mi. 18-ft. concrete, Richmond Construction Co., Richmond, Mo.; Audrain County, 6.041 mi. 18-ft. gravel, Graham Bros., Leeds, Mo.; Bates County, 6.998 mi. 18-ft. gravel, Nevada Construction Co., Nevada, Mo.; Wayne County, 8.374 mi. 18-ft. gravel, M. E. Gillioz, Monett, Mo.; Bollinger County, 6.153 mi. 18-ft. gravel, M. E. Gillioz; Cole County, 4.959 mi. 18-ft. gravel, Philip & Rigby, Waynesville, Mo.; Howard County, 1.630 mi. 18-ft. gravel, Kirk McFarland, Kansas City, Mo.; Howard County, 2.731 mi. 18-ft. gravel, R. M. Daviess & Son, Salisbury, Mo.; Howell County, 4 projects, 14.755 mi. 18-ft. gravel, J. A. Korr, Ozark, Mo.; St. Clair County, 3 projects, 14.167 mi. 18-ft. gravel, D. C. Horton, First Natl. Bldg., Fort Smith, Ark.; Stone County, .672 mi. 18-ft. gravel, A. J. Cosby, Leeds, Mo.; Caldwell County, 2.157 mi. 18-ft. gravel, Trodgon Bros., Quincy, Ill.; Saline County, 3 projects, 12.970 mi. 30-ft. graded earth, G. A. Nichols, Oklahoma City, Okla.; Lafayette County, 1.835 mi. 30-ft. graded earth, G. A. Nichols; Newton County, 2 projects, 7.856 mi. 30-ft. graded earth, Kelly & Underwood, Granby, Mo.; Wayne County, 2 projects, 6.459 mi. 30-ft. graded earth, J. P. Sparks, Kirkwood, Mo.; Buchanan County, 92-ft. bridge, Finley Construction Co., Nebraska City, Nebr.; Vernon County, 2 tentative projects; 9.222 mi. 30-ft. graded earth, Mebada Construction Co., Nevada, Mo.\*

N. C., Greensboro—City, P. C. Painter, Mgr. let contract to C. B. Hester, Spring Garden, Greensboro, at \$10,845, to grade Lindell Road from Walker Ave. to Friendly Road and grade Holden Road from Winston-Salem Road to new city line.\*

N. C., Greensboro—Gulford County Commrs. let contract to Bituminous Earth Road Corp., Raleigh, 9 mi. all-weather stretch road, Alamance church and Bennett's cross roads.

Tex., Abilene—City let contract to West Texas Construction Co., Abilene, pave Idlewild St., Grand Ave. to Sayles Blvd., Pecan St., South Third to South Fourth St., at \$2.27 sq. yd., with 1½-in. Warrenite bitulithic on 2-in. asphaltic concrete base on 6-in. gravel foundation; N. Second St., Almond to to Sassafras, at \$7782.71, and N. Second St., Ash St. to Almond, \$24,868.50; O. K. Hoboe, City Engr.

Tex., Cleburne—City let contract to West Texas Construction Co., Cotton Exchange Bldg., Fort Worth, Tex., at \$45,673 to pave 5500 ft. permanent paving, asphalt top, concrete base, new curbs and gutters.\*

Tex., Gilmer—City let contract to Coke & Turner, Marshall, \$43,537, pave Square and Tyler and Buffalo Sts.

Tex., Tulla—City let contract for approximately 47,000 yds. paving with 2½-in. brick on 4-in. concrete base to Jordan Construction Co., Plainview, at \$131,806.30.

Tex., Waco—City let contract to Standard Paving Co., 524 Provident Bldg., Waco, at \$11,138.98 to pave N. 11th St.

Va., Warrenton—Fauquier County Board of Suprrs. let contract to H. Clark & Co., Charlottesville, for approximately 5 mi. sand clay road.

Tex., Wichita Falls—City let contract to Plains Paving Co., Staley Bldg., to pave portions of Grace & Harrison Sts., approximately \$35,000.

#### Sewer Construction

Large sums are being expended for sewage facilities in connection with Land Development operations. Details will be found under that classification.

Fla., Boynton—City, Lew Winchester, Clk., will install sewers. See Financial News—Bond Issues Proposed.

Fla., Brooksville—City will install sewers. See Financial News—Bond Issues Proposed.\*

Fla., Fort Lauderdale—City will install sanitary and storm sewers. See Financial News—Bond Issues Proposed.

Fla., Fort Myers—See Water Works.

Fla., Miami—City will install sewage disposal plant. See Financial News—Bond Issues Proposed.

Fla., Sanford—City, Forrest Lake, Mayor, votes March 19 on \$575,000 sewer bonds.

Fla., Tampa—J. J. Quinn Co. and J. L. Kelly Co. have contract for sewers in northwest and northeast sections.

Fla., West Palm Beach—Continental Engineering Construction Co. has contract at \$350,000 for drainage and sewerage on Palm Beach Ocean and Cragin Park developments.

Fla., West Palm Beach—City Comsn., C. A. Bingham, Mgr., receives bids March 16 for storm and sanitary sewers. (See Machinery Wanted—Sewers.)

Ky., Lexington—City received low bid from Clark, Stewart and Wood, 254 Irvine Rd., for storm water sewer on High St. and S. Ashland Ave.; J. White Guyn, City Engr.

Md., Baltimore—Board of Estimates has plans by Milton J. Ruark, Bureau of Sewers, for storm water drains in various sections of city; cost \$185,000.

Mo., Kansas City—Brown Brothers Construction Co. reported has contract for lateral sewers.

Mo., Sikeston—Rickard & Rowan, Kansas City, has contract for sanitary sewer system.\*

Okla., Marland—Town Council considering installation of disposal plant and 4 miles sewers.

Okla., Prague—City, H. W. Hartman, Mayor, reported to construct 6 miles outfall sewers and disposal plant.

Tex., Alice—City is having plans prepared by J. H. Briggs, Engr., for sewer improvements; cost \$50,000.\*

Tex., Beaumont—City contemplates expending \$200,000 for sewer improvements. Address The Mayor.

Tex., Wylie—City will construct sewer system and disposal plant; Municipal Engineering Co., Engrs., 1107 Athletic Club Bldg., Dallas.

Va., Portsmouth—City will probably issue new call for bids for installation of sewers and drains on High St.; J. P. Jervey, City Mgr.

Va., Richmond—Streets Committee recommended \$500,000 appropriation to City Council for sewer system; R. Keith Compton, Dept. of Public Works.

W. Va., Huntington—City Commsn. opens bids February 24 for 2 sewer projects; plans by Barstow & McCurdy, Engrs., Akron, O.

#### Telephone Systems

Ala., Montgomery—Southern Bell Telephone & Telegraph Co., main office, Atlanta, Ga., will construct seven new long distance circuits from Montgomery to Birmingham, Tuscaloosa, Dothan, Eudaula, Columbus, Tallahassee and Andalusia; total expenditure about \$343,000.\*

Ga., Albany—Southern Bell Telephone & Telegraph Co., main office, Atlanta, having surveys made for proposed \$220,000 exchange building on Pine St.; work to begin about May 1; C. J. Tates, Commercial Engr.\*

Md., Baltimore—Major projects contemplated this year by Chesapeake & Potomac Telephone Co., G. H. Warren, Div. Mgr., 5 Light St., are an addition to Homewood central office, costing about \$150,000; while two new machine switching central offices, equipped for 8000 lines will be placed in service at cost of more than \$1,000,000; in addition to these items two manual central offices with total of 14 operators switchboard positions and more than 1100 lines will be installed at cost of \$100,000; machine switching equipment in present manual offices, furnishing connections with new central offices to be placed in service during year will cost more than \$100,000; 57 miles aerial and underground cable, 600 poles and 2 trench miles of underground conduit, costing about \$500,000, will be placed.

N. C., Charlotte—Southern Bell Telephone Co., main office Atlanta, Ga., will expend about \$346,000 on reconstruction work for enlarging and improving long-distance system; James Northey, Dist. Mgr.\*

Okla., Hopeton—Hopeton Telephone Co., incorporated; J. F. Fielder.

Okla., Corn—Pleasant Ridge Telephone Co., incorporated; Geo. D. Wiens, Abe G. Duerksen.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.



Tenn., Jackson—Cumberland Telephone & Telegraph Co., main office Atlanta, Ga., plans constructing additional circuits from Jackson to Nashville, Humboldt and Dyersburg; work included in improvements for year 1926.\*

Tex., Brownwood—West Texas Telephone Co., Fred W. Greber, Gen. Mgr., will expend \$80,750 on improvements during year.

Tex., Lubbock—Southwestern Bell Telephone Co., main office St. Louis, Mo., let contract to J. D. Singleton, Amarillo, at \$40,000 for 2-story, 50x60 ft. building, brick, stone, steel and reinforced concrete.\*

### Textile Mills

Ala., Andalusia—The Andala Co., J. G. Scherf, V. Pres.-Treas., let contract to Andalusia Manufacturing Co. for construction of 3-story mill building with basement; 50x125 ft.; equipped with sprinkler system, electric elevator and steam heat; separate contracts will be let for sprinkler and heating systems; running ice water system will be installed. (See Machinery Wanted—Ice Water System.)

Fla., Jacksonville—Taylor Textile Corp., capital \$25,000, incorporated; E. W. Waybright, St. James Bldg.

Ga., Sargent—Arnall Mills, H. C. Arnall, reported to construct 15,000 spindle addition to cotton mill.

Ky., Williamsburg—Williamsburg Knitting Mill Co., capital \$15,000, incorporated; F. W. Finley, R. L. Jones.

Mo., St. Louis—Studio Hosiery Co., 217 N. Third St., capital \$20,000, incorporated; H. D. Rickman.

Mo., St. Joseph—Crewdson Fabric Co., capital \$15,000, incorporated; C. L. Crewdson, 3127 Lafayette St.

N. C., Lexington—Wabena Mills, Inc., J. H. Thompson, Pres., reported let contract to J. W. Tussey for addition to twine factory; install 2,000 spindles; increase yearly output to 1,400,000 lbs.

N. C., Lillington—F. H. Chamberlain, Lillington, H. T. Spears and W. P. Byrd, Lillington, reported interested in establishment of 5000 spindle mill, consume 150 bales cotton daily.

S. C., Gaffney—Henry River Manufacturing Co., Henry River, N. C., advises company has acquired Sultrene Mills; have not yet made definite arrangements to put mills in operation; will probably be operated by Henry River Mfg. Co.

S. C., Laurens—Laurens Cotton Mills, C. Dial, Pres., will electrify mill; reported let contract to the Walker Electric and Plumbing Co., Bona Allen Bldg., Atlanta, Ga., for wiring and installation and Allis-Chalmers Mfg. Co., Milwaukee, Wis., for motors.

Tex., Galveston—Galvez Mills, Inc., R. C. Stone, Pres., 2427 N. St., reported let contract to J. W. Zempster & Co., 2204 B St., for construction of cotton mill; Chas. T. Main, Engrs., 200 Devonshire St., Boston, Mass.\*

### Water Works

Large sums are being expended for water-works in connection with Land Development operations. Details will be found under that classification.

Ark., De Witt—City reported to install water works. Address City Commrs.

Fla., Boynton—City, Lew Winchester, Clk., will install sewers, street lighting, water works. See Financial News—Bond Issues Proposed.

Fla., Fort Lauderdale—City will construct water works. See Financial News—Bond Issues Proposed.

Fla., Fort Myers—City contemplates expending \$1,400,000 for water, gas and sewers and incinerators. Address City Comsn.\*

Fla., Gainesville—City, J. R. Fowle, Mayor, will improve water works, and light plant. (See Financial News—Bond Issue Proposed.)

Fla., Sanford—City, Forrest Lake, Mayor, votes March 19 on \$325,000 water extension bonds.

Ga., Fitzgerald—City, J. H. Mayes, Mayor, receives bids March 5 for water works equipment. (See Machinery Wanted—Water Works Equipment.)

Ga., LaGrange—City will construct water works line to Mud Creek. Address The Mayor.

Miss., Moss Point—City let following contracts for water works: 72,000 ft. of water

mains to National Gas Iron Pipe Co., Birmingham, Ala., at \$41,673; hydrants, valves and fittings to Dixie Mill Supply Co., New Orleans, La., at \$5589; pumping machinery to Fairbanks-Morse & Co., New Orleans, La., at \$20,751; construction work, including laying of mains, reservoirs, pump house to C. J. Montgomery & Co., Kaplan, La., at \$39,339; drilling well to Gray Artesian Well Co., Pensacola, Fla., at \$5200; steel tank to Chicago Bridge & Iron Works, Chicago, Ill., at \$5575; other contracts to be later.\*

Mo., Forsyth—City votes March 2 on \$15,000 water works bonds. Address The Mayor.

Mo., Republic—City reported let contract to Ralph McSweeney, Springfield, for construction of \$60,000 water works system.

Mo., Seymour—City will install water works system; may vote on \$30,000 bonds. Address The Mayor.

Mo., Mashfield—City, H. O. Gaines, Clk., will construct water works system; cost \$55,000; Gantt-Baker Co., Inc., Engrs., Oklahoma City, Okla. (See Machinery Wanted—Water Works Machinery.)

N. C., Asheville—City Commrs. let contract to Le Courtenay Co., Newark, N. J., for electric pumping system to be installed at Bee Tree water works.\*

N. C., Asheville—City Commrs. let contract to Kelly, Wilson Co., Asheville, for 42,335 feet of 24 inch main connecting Bee Tree reservoir and North Fork.\*

Okla., Earlsboro—City, W. G. Stone, Mayor, reported to construct water works.

Okla., Lawton—City is improving water works system at Lake Lawtonka; will increase filter capacity to 5,000,000 gallons daily. Address The Mayor.

S. C., Greenwood—City is having water well drilled by Layne & Bowler Co., Memphis, Tenn.

Tenn., McMinnville—City, J. Floyd Johnson, Mayor, receives bids March 4 for improvements to water works system. (See Machinery Wanted—Water Works.)

Tex., Big Lake—West Texas Lumber Co., San Angelo, has contract for pipe for water works extensions.

Tex., Hereford—City will extend water works. See Financial News—Bond Issues Proposed.

Tex., Marble Falls—Marble Falls Water & Light Plant, H. L. Jones, Propr., reported to install machinery in water and light plant; cost \$10,000.

Tex., O'Donnell—City will install water works. See Financial News—Bond Issues Proposed.

Va., Westhampton, R. Sta. Richmond—Board of Trustees of Henrico County, Richmond, interested in installation of water, sewers and electric lights.

### Woodworking Plants

Ark., Fort Smith—Barrels, etc.—Ira R. Gibbs, Third St., Oaklawn, Hot Springs, Ark., has plans for establishing cooperage plant.

La., Alexandria—Arkansas Oak Flooring Co., capital \$500,000, organized by C. C. Fulbright, 104 Park Place, Pine Bluff, Ark., establish plant to manufacture oak flooring; also have plants at Shreveport, La., and Pine Bluff, Ark.\*

Md., Baltimore—Furniture—Union Brothers, 37 W. Cross St., will erect 3-story addition, 50x60 ft.; soon ask for bids.

Miss., Jackson—Boxes—Rathbone, Hair & Ridgeway Co., 2248 Lafin St., Chicago, Ill., let contract to Jim Garber, Jackson, for \$100,000 plant; building to be completed in 49 days; Claude H. Lindsley, Archt., Lamar Bldg., Jackson.\*

Mo., Jacksonville—Huttig Sash & Door Co., A. J. Slegle, Pres., 2501 Market St., general offices St. Louis, let contract to N. J. Sutton, 332 E Third St., Jacksonville, Fla., for \$60,000 plant addition, 2-story, contain about 35,000 sq. ft. floor space.

N. C., Asheville—Carl Page and Arthur Presnell, reported, plans establishing chair factory in North Asheville.

N. C., Goldston—Goldston Sash & Door Co., capital \$100,000, incorporated; H. A. Stout, J. W. Goldston.

N. C., Newton—Newton Furniture Co., Inc., let contract to Setzer Brothers of Newton for 4 buildings 60x204 ft. each, 60-ft. connections; mill type, oak floors, composition roof; install \$60,000 equipment, including complete line motor-driven wood-working machinery; Fred Horton, Archt. (See Machinery Wanted—Woodworking Machinery.)\*

S. C., Ellenton—Leigh Banana Case Co., Carl G. Leigh, Pres., 2230 S. Union St., Chicago, Ill., let contract to Young Electric Works, 32 13th St., Augusta, Ga., for installation of motors, generators, switchboard, power line, etc., for plant at Leigh.\*

S. C., Orangeburg—Carolina Veneer Co., Inc., L. R. Smith, Mgr., let contract to J. T. Dabbs, 1325 Main St., Columbia, for 70x 110-ft. plant building; install complete modern equipment for cutting and drying gum and poplar veneer. (See Machinery Wanted—Boiler; Drag Saw; Elevator.)\*

Tenn., Waynesboro—Holthouse & Hartup, Lawrenceburg, plans installing mill, equip for manufacture of spokes, pump handles, etc.

Tex., Dallas—American Body Co., 5113 E. Grand St., increased capital, \$35,000 to \$60,000.

### FIRE DAMAGE

Ala., Mobile—Republic Creosoting Works at Choctaw Point. Address The Manager.

Ala., Mobile—Buildings at Water and St. Emanuel Sts., occupied by Malcolm Partin's broom factory, Southern Art Glass & Mirror Works, owned by H. Piemme; loss \$150,000.

Ark., Hamburg—J. W. Taylor & Co., grocery, loss \$15,000; C. L. Baker Merchandise Co., loss \$5000.

Ark., Little Rock—Portion of building occupied by International Harvester Co. of America at Third and Ferry Sts., loss \$100,000; building owned by W. W. Wilson Estate.

Ark., Little Rock—Bradsher Drug Co. building, Markham and Rock Sts., owned by Levi Storthz, 1103 W. Capitol St.; loss \$65,000.

Fla., Winter Haven—Better Service Garage, loss \$75,000.

Ga., Newborn—Five stores on Main St., owned by N. Kaplin, Covington, W. R. Porter and H. G. Smith and W. M. Spears Estate; loss \$10,000.

Ga., Ocilla—Austine Department Store.

Ga., Savannah—Storage house of Savannah Sugar Refining Corp. at Port Wentworth; loss \$100,000.

Ga., Statesboro—Shops of The Savannah & Statesboro Ry., loss between \$10,000 and \$15,000.

Ky., Drakesboro—High School building, loss \$20,000; address School Board.

Ky., Lexington—Supply room and assembly hall of Troop C, 53rd Machine Gun Squadron; loss \$40,000.

Ky., Louisville—Rugby Distillery Warehouse; loss \$30,000.

Ky., Louisville—Charles Stoecker Tanning Co.'s plant; loss \$100,000.

Ky., Shelbyville—Dwelling owned by Rothchild Bros.; loss \$15,000.

Ky., Williamsburg—Grade school building, loss \$35,000; address School Board.

La., New Orleans—Clothing factory of Kaufman & Matthews at 841 Congress St., loss about \$65,000.

La., New Orleans—Building occupied by Kaufman & Matthews overall factory at Congress and Burgundy Sts.; loss \$50,000.

Md., Frederick—Levi Devilbiss' grist mill, loss \$10,000.

Miss., Yazoo City—Warehouse of Planters' Cotton Oil Mill, 2 warehouses of Hlawatha Gin Co., office of Devoto Coal & Transfer Co. and John Thomas' store; loss \$75,000.

Mo., Sedalia—Sedalia Printing Co.'s plant, operated by C. B. Haber and Paul Page; loss \$25,000.

N. C., Asheville—P. O. Merrel's residence, Fairview Rd.

N. C., Charlotte—Six store buildings on E. Trade St. at College St., owned by Charles Moody, 209 S. College St., occupied by Wohlford Drug Co., fruit stand, Tannenhaus' clothing store, M. Headen, Sinkoe's store, Imperial Tailors, Leading Department store, Hand Medicine Co.; loss \$150,000.

Okla., Bokoshe—Towell & Lowery general store and Star Theater, loss \$12,000.

S. C., Darlington—J. K. Doyle's residence.

S. C., Greenville—Double Springs school building; address Greene County Board of Education.

Tenn., Knoxville—Barbara Blount dormi-

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

tory for women at University of Tennessee; loss \$8000.

Tenn., Memphis—Hire-A-Ford Co.'s building at Third and Gayoso Aves.

Tenn., Nashville—Residence of Dr. W. A. Sullivan, 3808 Princeton Ave.; loss \$15,000.

Tenn., Sewanee—Tuckaway Inn, owned and operated by Miss Johnnie Tucker; loss \$15,000.

Tex., Dallas—Three dormitories of Southern Methodist University; loss \$150,000; building, 1304-10 Young St., occupied in part of Pugh-Lyons & Co.'s cotton offices and India Tire & Rubber Co.; loss to building, owned by B. F. Davis, 500 E. Fifth St., \$30,000.

Tex., Dallas—Building at 517 Jackson St., occupied by Pratt Manufacturing Co., B. J. G. Manufacturing Co., Steer-Ezy Snubber

Co., Stiteler-Lewis Manufacturing Co. and Yellow Cab Co.; loss \$56,000.

Tex., Greenville—Glassman Bros. building, owned by W. H. Bush; loss \$20,000.

Tex., Hillsboro—Ornbaum Hardware Co. building; loss \$15,000.

Va., Alexandria—Three-story barn of Earl W. Saum; loss \$10,000.

Va., Lynchburg—Princeton Circle apartment house; loss \$5000; address the owner.

Va., Norton—Norton Coal Co., commissary and offices, Travelers Hotel, George Tomers Department Store, Brunswick barber shop.

W. Va., West Hamlin—H. S. Spears' store, store owned by Mr. Sloan, Hartley Midkiff's residence, house owned by Rev. G. L. Oxley, 1738 Charleston Ave., Huntington; also damaged John Jones' dwelling and Tabor's; loss \$75,000.

Morgan Bldg., Wichita Falls, for remodeling work; 2 stories, 35x70 ft., cost \$15,000; furnishings, equipment, etc., \$6000.\*

Tex., Vernon—R. L. More erect 2 or 3-story brick office building.

W. Va., Pennsboro—Citizens National Bank erect 40-ft. addition, Collins St.; convert upper floors for offices.

## Churches

Ala., Bessemer—South Highlands Baptist Church, J. M. Brooks, member, Bldg. Comm., having plans drawn by Jas. E. Greene, 1001 Bankers Mortgage Bldg., Birmingham, for \$75,000 ordinary type building; 3 stories, 70x146 ft., pine floors, concrete foundation, tile roof.\*

Ala., Fairfield—Brandon Baptist Church, A. L. Bennister, Chmn., Bldg. Comm., plans parsonage.

Ark., Jonesboro—First Methodist Church, Dr. J. Wilson Crichtow, Pastor, plans \$100,000 building; raising funds.

Ark., Leachville—Rev. Norris Greer erect brick building.

Fla., Miami—Trinity M. E. Church, South, Dr. A. M. Hughlett, Pastor, 401 N. E. First Ave., interested in \$50,000 church in Coral Gables and one at Miami Shores; sites available.

Fla., Northwood (Station West Palm Beach)—First Baptist Church, West Palm Beach, erect new church. Address The Pastor, First Baptist Church.

Ga., Baxley—First Methodist Church, Rev. A. B. Wall, Pastor, plans brick building.

Ga., Baxley—Baptist Church, Rev. Z. E. Barron, Pastor, erect \$50,000 building.

Ga., Savannah—Trinity M. E. Church, South, H. O. Lowden, 206 W. 34th St., Crmn., Fund Campaign, plans 4 story Sunday school, York and President Sts.; repair present or install new \$5000 pipe organ.

Ky., Nicholasville—Christian Church, John Robins, Chmn., Bldg. Comm., probably open bids about May 1 for 2-story and basement building; 90x70 ft., stone foundation, hollow tile.\*

La., Homer—Presbyterian Church, A. Baker, member Bldg. Comm., plans \$20,000 building.

La., Lafayette—Presbyterian Church, H. V. Mielly, member, Men's Club, plans building, Johnston St. and College Ave.

La., New Orleans—Touro Congregation, Max M. Kohler, member, Bldg. Comm., plans Sunday school, Gen. Pershing St. and St. Charles Ave.; probably cost \$75,000.

La., Shreveport—Christ Tabernacle, Fetzner Ave. and Virginia St., Dr. J. Emmet Wainwright, Pastor, erect brick building, new location.

Ma., Baltimore—First English Lutheran Church, Dr. Martin Luther Enders, Pastor, selected Parker, Thomas & Rice, Union Trust Bldg., as architects for building, Charles and 39th Sts.\*

Miss., Canton—Grace P. E. Church erect \$12,000 to \$15,000 brick parish house; frame partitions, 90x45x18 feet, with 12-foot extensions on each side, 60x43 feet hardwood floor, remainder pine, probably asbestos slate roof; furnishings, equipment, etc., \$3000 to \$5000; architect not selected. Address C. A. Ross, P. O. Box 67.

Mo., Jefferson City—Presbyterian Church, 418 Madison St., erect \$75,000 building; architect not definitely selected; 2 stories, 100x87 ft., stone and concrete foundation; furnishings, equipment, etc., \$25,000; probably let contract about April 15. Address Rev. A. E. Jackson, 418 Madison St. [See Machinery Wanted—Gymnasium Equipment; Seating (Church); Art Glass; Plumbing Fixtures; Lighting Fixtures; Heating Equipment.]\*

Mo., Kansas City—Melrose M. E. Church, South, Bales and Windsor Aves., Rev. Embree H. Blackard, Pastor, erect auditorium and remodel present building; cost \$100,000.

N. C., Brevard—St. Philip's P. E. Church, Rev. Harry Perry, Pastor, erect \$20,000 stone building; 100x40 ft., oak floors, stone foundation, steam heating, indirect lighting; furnishings, equipment, etc., \$5000; Louis H. Asbury, Archt., 1514 E. Fourth St., Charlotte; R. H. Morrow, Engr.\*

N. C., Charlotte—First Associate Reformed Presbyterian Church, Jack Blythe, Chmn., Bldg. Comm., receives bids Feb. 23 (latey noted Feb. 17) for English Gothic type building; cost \$200,000; gray stone, auditorium seat 800, Sunday school dept. 1200; J. M. McMichael, Archt., 306 Park Ave.\*

Okla., Stigler—Methodist Church erect \$15,000 Sunday School. Address The Pastor.

# BUILDING NEWS

## BUILDINGS PROPOSED

### Association and Fraternal

Ala., Birmingham—West End Lodge No. 752, A. F. & A. M., having plans drawn by D. O. Whildin, 515 N. 21st St., for \$80,000 temple; 3 stories; furnishings, equipment, etc., \$20,000. Address Dr. M. C. Schoolar, 1207 Tuscaloosa Ave. N. E. (See Machinery Wanted—Lodge Furnishings, etc.)\*

Ark., Smackover—Grand Lodge of Arkansas, A. F. & A. M., erect \$25,000 building, Main St., for lodge room, offices and 2 stores; architect not selected; brick, 2 stories, 50x77 ft., concrete and tile floors, concrete foundation, metal ceilings, plaster board; furnishings, equipment, etc., \$5000. Address Sam Goldman. (See Machinery Wanted—Furnishings, etc.)\*

Fla., Panama City—McKnight Post, American Legion, J. M. Klein, Chmn., Bldg. Comm., plans James H. McKnight Clubhouse.

N. C., Charlotte—Hornets' Nest Post, American Legion, care Col. T. L. Kirkpatrick, contemplate erecting memorial building.

N. C., Durham—Young Women's Christian Assn., Mrs. C. W. Toms, Pres., having sketches drawn by T. C. Atwood, Trust Bldg., for dormitory; accommodate about 100.\*

Tex., Galveston—Lodge No. 126, B. P. O. E., considers clubhouse, 21st St. and Avenue F.

Va., Suffolk—Suffolk Lodge of Elks, Harry L. Jacobs, Chmn., Bldg. Comm., opens bids April 1 for building, Washington Square; steel, brick and wood, 2 stories, 54.6x125 ft., hardwood, tile, rubber tile and concrete floors, concrete foundation, built-up roof, hollow and interior tile, metal ceilings, ventilators, marble, terra cotta trim; cost \$40,000; furnishings, equipment, etc., \$5000; Alexander DuPre Breeden, Archt. (See Machinery Wanted—Lodge Furnishings, etc.)

### Bank and Office

Ark., Fort Smith—Johnston Investment Co., 512 S. Ninth St., erect \$25,000 to \$30,000 steel and mill type office building, 1200 Garrison Ave., to be occupied by Fort Smith Light & Traction Co.; 2 stories, about 52x180 ft.; tile, terrazzo, hardwood, composition and concrete floors, stone and concrete foundation, built-up composition roof, metal ceilings, steel sash and trim, wire glass, vaults, vault lights ventilators, marble, cast stone; Carnall Wheeler, Archt., Kennedy Bldg.; owner builds. Address bids on furnishings to Fort Smith Light & Traction Co.\*

Ark., Marianna—J. B. C. E., and M. D. Daggett erect second story office addition to Daggett Bldg.; cost about \$10,000.

D. C., Washington—Bank of Commerce & Savings, Seventh and E Sts., N. W., ready for bids on remodeling building; 1 story, 42x60 ft.; steel sash and trim, tile, hardwood and composition floors, marble, limestone, cost \$40,000; furnishings, equipment, etc., \$10,000.\*

Fla., Bartow—Polk County National Bank selected M. Leo Ellicott, Citizens National Bank Bldg., Tampa, as architect-constr. supervisor for \$500,000 bank and office building, S. Broadway and W. Main St.; 10 stories, 102x52 ft., 1-story arcade to cover remainder of lot, steam heat.\*

Fla., Daytona Beach—Volusia County Bond & Mortgage Co., Box 926, Peninsula Station, receives bids March 1 for 2-story fireproof building, Wild Olive St.; plans and specifications examined at owner's office, Main St.

Fla., Jacksonville—Peninsular Casualty Co., C. L. Black, Asst. Treas., consider erecting home office building during 1926.

Fla., Miami—Florida Hotel Association, Inc., West Flagler Arcade, 236 W. Flagler St., I. C. Overdorff, Pres., erect administration building.

Fla., Orlando—Dr. P. M. Lewis, Rose Bldg., and associates, consider erecting office building, Main and Washington Sts.

Fla., West Palm Beach—National Bank of West Palm Beach, Fred A. Franck, Pres., erect 2-story, mezzanine and basement bank building, First and N. Narcissus Aves.; site 50x100 feet; bank and vaults to occupy basement, first and mezzanine floors; foundation and walls to permit 8 additional stories; contract to raze structure on site lately noted let to Wilcox Bros.\*

Miss., Bay St. Louis—Hancock County Bank & Trust Co. erect 1-story building; tile roof and floors, marble and bronze fixtures, burglar-proof vaults, safety deposit boxes, steam heating, electric wiring, plumbing; Wm. T. Nolan, Archt., Canal-Commercial Bldg., New Orleans, La.

Miss., Laurel—J. E. & R. T. Morrison erect 5-story office building, Oak St.

Mo., Kansas City—H. C. Edwards, care Ennis Real Estate & Investment Co., Continental Bldg., interested in building, 13th St. and Grand Ave.; offices and theater.

Mo., Monett—Ozark Fruit Growers' Assn. Bldg. Comm., Chas. Carmichael, Sec., receives bids Feb. 20 at office Geo. F. Reed, Archt., 422-23 Woodruff Bldg., Springfield, for office building; cost \$10,000; brick veneer, 45x90 ft., part basement, heating plant; plans and specifications from Archt. or from Owner.

N. C., Durham—R. H. Wright, Mangum and Parrish Sts., have plans by Milburn, Heister & Co., Union Savings Bank Bldg., Washington, D. C., and First Nat. Bank Bldg., Durham; ready for bids by March 10 on fireproof office building, Main and Morris Sts.; steel frame, cost \$300,000.\*

N. C., Greensboro—Richardson Realty Co. reported selected Harry L. Barton, Jefferson Bldg., as architect for Leftwich Arcade, N. Elm St., 75x140 ft., 3, 5 or 8 stories; cost \$100,000 or more; stores and offices.

Tex., Beaumont—H. M. Hargrove, 1414 Broadway, considers erecting building, 553 Orleans St.

Tex., Dallas—B. F. Davis, 500 E. Fifth St., repair building, 1304-10 Young St., noted damaged by fire at \$30,000 loss.

Tex., Fort Worth—Tarrant County Medical Arts Building Co., care Dr. Chas. F. Clayton, 709 F. & M. Bank Bldg., receives bids Feb. 25 for fireproof Medical Arts Bldg.; brick, stone and reinforced concrete, 108x209 ft., 16 stories and basement, cost \$2,000,000; Sanguinet, Staats & Hedrick (Wyatt C. Hedrick, successor), Archts., First National Bank Bldg.; financing by Jeffe H. Jones, Goggan Bldg., Houston; excavation lately noted let.\*

Tex., Greenville—Greenville National Exchange Bank selected Lang & Wittichell, American Exchange Bank Bldg., Dallas, and Lindsey & Kilmer, Greenville, as architects for 7-story bank and office building, Lee and Stonewall Sts.; brick, reinforced concrete and steel, 46x94x108 ft.; soon let contract for excavation and foundation.\*

Tex., Haskell—Haskell National Bank having plans drawn by Voelcker & Dixon, 312



Okl., Tonkawa—Christian Church plans \$25,000 Sunday school addition. Address The Pastor.

S. C., Columbia—Washington Street M. E. Church, South, receiving sketches from architects through Arthur L. Gunter, 1419 Washington St., for Sunday school building; Type A, accommodate 1000.

Tenn., Chattanooga—First M. E. Church, Z. W. Wheland, Chmn., Bldg. Comm., plans \$100,000 educational and recreational addition; 3 stories, 50x85 foot gymnasium accommodate 250; R. H. Hunt Co., Archt., James Bldg.\*

Tenn., Etowah—First M. E. Church plans building, Georgia and Eighth Sts. Address The Pastor.

Tenn., Knoxville—First Unitarian Church, Rev. D. M. Welch, Pastor, contemplates building.

Tenn., Loudon—Cumberland Presbyterian Church, Rev. C. W. Hayes, Pastor, erect \$25,000 to \$30,000 building.

Tenn., Memphis—Longview Heights Methodist Church, Rev. E. L. Morgan, Pastor, 916 Twigg St., plans building.

Tex., Abilene—College Heights Baptist Church, Rev. C. A. Powell, Pastor, erect \$40,000 annex; brick and concrete, 3 stories, 40x100 ft.

Tex., Caldwell—Methodist Church plans building. Address The Pastor.

Tex., Corsicana—First Christian Church, Rev. 2 stories and basement, 60x80 ft.; M. T. Horne, Archt., 116½ W. Fifth St.

Tex., Dalhart—Baptist Church plans to complete building. Address The Pastor.

Tex., Harlingen—First Christian Church erect \$40,000 building; main auditorium seat 400, Sunday school section; Adams & Adams, Archts., Gibbs Bldg., San Antonio.

Tex., Llano—Methodist Church, G. M. Watkins, member, Bldg. Comm., probably start work April 1 on \$30,000 brick and concrete building; Roy L. Thomas, Archt., Littlefield Bldg., Austin.\*

Tex., Livingston—Central Baptist Church let contract within few days for building. Address The Pastor.

Tex., Orange—Presbyterian Church, A. E. Josephson, Supt., plans Sunday School.

Va., Harrisonburg—Methodist Church reported considering Sunday school. Address The Pastor.

Va., Harrisonburg—Presbyterian Church plans \$25,000 Sunday school, Court Square; 3 stories. Address The Pastor.

Va., Richmond—Second Baptist Church erect \$150,000 Sunday school, 7 W. Franklin St.; work probably start on first unit latter part of March or first of April. Address The Pastor.

W. Va., Fairmont—Highland Avenue M. E. Church soon start work on building. Address The Pastor.

W. Va., Huntington—Twentieth Street Baptist Church, Dr. B. F. Caudill, Pastor, call for bids early part March for brick and stone building, Fifth Ave. and 20th St.; hollow and interior tile, concrete and hardwood floors, seat 800.\*

W. Va., Spencer—Methodist Protestant Church Bldg. Comm., O. R. Hardman, member, receives bids March 15 for brick building; 45x72 feet, full concrete basement; plans and specifications seen at office County Clerk.

W. Va., Welch—First M. E. Church erect \$100,000 building. Address The Pastor.

### City and County

Ala., Birmingham—City erect \$55,000 fire station, Highland Ave.; reinforced concrete, brick and stone, 2 stories, 80x90 feet, wood, tile and concrete floors, concrete foundation, tile and built up roof, interior tile, metal doors, limestone; Warner, Knight & Davis, Archts., 1501 Empire Bldg., drawing plans.\*

Ala., Mobile—City, Harry T. Hartwell, Commr., interested in calling election on city hall and auditorium bonds.

Fla., Boynton—City, Lew Winchester, Clk., plans \$1,000,000 bond issue, including \$50,000 beach casino.

Fla., Bunnell—Flagler County Board of Commrs. probably start work within few weeks on \$75,000 courthouse; 2 stories and basement, 66x105 ft., concrete floors and foundation, composition roof, vaults, ventilators; Talley-Buckley-Talley, Archts., Lakeland.\*

Fla., Chillicothe—Chillicothe Development

Club, S. H. Crossley, Pres., interested in remodeling city hall.

Fla., Fort Myers—City will issue \$2,837,000 bonds (amount increased), including \$420,000 for city hall, \$200,000 for auditorium, \$200,000 hospital, fire apparatus \$125,000, library \$79,000, jail \$75,000 and detention home \$35,000. Address City Council.

Fla., Gainesville—City Council, J. R. Fowler, Mayor, will issue \$585,000 bonds, including additional \$50,000 for municipal buildings, \$50,000 for enlarging fire department.

Fla., Hialeah—City Council considers erecting \$50,000 city hall, Sixth St. and Palm Ave.

Fla., Miami—City, F. H. Wharton, City Mgr., voted \$11,250,000 bonds, including bonds for fire, police and hospital extension.

Fla., Sanford—City, Forrest Lake, Mayor, votes March 19 on \$2,000,000 bonds, including \$150,000 for fire station and equipment.

Ga., Arlington—Calhoun County Board of Commrs., care J. S. Cowart, plans courthouse.

La., Lafayette—Lafayette Parish Police Jury, Geo. Crouchet, Sec., selected Wm. T. Nolan, Canal-Commercial Bldg., New Orleans, as architect for \$300,000 courthouse and jail.\*

Md., Baltimore—City, Howard E. Jackson, Mayor, drawing plans for \$2,000,000 fireproof city hall annex; steel frame, limestone, 10 stories, 208x149 ft., hollow and interior tile, metal doors, steel sash and trim, wire glass, tile, terrazzo, concrete and linoleum floors, mail chutes, vaults, ventilators, sprinklers, marble, terra cotta trim; Wm. H. Emory, Jr., Archt., 18 E. Lexington St.; Jos. Evans Sperry, Consit. Archt., Calvert Bldg.\*

Miss., Laurel—Jones County Board of Supervisors selected P. J. Krouse, Meridian, as architect for additional story to courthouse for jail, sleeping rooms, etc.

Mo., Gallatin—City erect city hall. Address City Council.

Mo., Kansas City—Jackson County Board of Commrs., Independence, contemplate calling election on courthouse bonds, also \$225,000 for hospital.

N. C., Charlotte—City Commrs. consider issuing \$25,000 bonds for market, E. Fourth St.; brick or fireproof; cold storage facilities; C. C. Cook, Archt., 338 S. Church St.; plans approved.\*

N. C., Clinton—Sampson County, E. L. Crumpler, Chmn., Board of Commrs., consider erecting courthouse.

Tex., Harlingen—City, S. A. Thompson, Mayor, receiving bids for city hall; cost \$11,000, brick and concrete, 2 stories; Elwing & Mulhausen, Archts.\*

Tex., Houston—City, O. F. Holcombe, Mayor, erect \$350,000 Farmers Market, Smith St. and Prairie Ave.; plans by Engineering Dept., J. C. McVea, City Engr.

Tex., Houston—Harris County, Chester H. Bryan, County Judge, votes March 9 on \$600,000 jail bonds; accommodate 600.\*

Tex., San Antonio—City, John W. Tobin, Mayor, enlarge Carnegie Library; cost about \$30,000.

Tex., Waco—City, E. E. McAdams, City Mgr., plans fire station, Bell's Hill.

Va., Norfolk—City, Walter H. Taylor, 3rd, Director of Public Works, receives bids Feb. 28 for fire and police station, 44th St.; plans and specifications from Calrow, Browne & Fitz-Gibbon, Archts., 932 Royster Bldg.

W. Va., Huntington—City receives bids Feb. 22 for 2 fire stations; brick and concrete, 2 stories, 30x48 ft., concrete floors and foundations, composition built-up roofs, interior tile, steel sash and trim, marble, cast stone, limestone; J. R. Gieske, Archt., 6th floor, Holswade Bldg.\*

### Dwellings

Ark., Arkadelphia—Arch Cooper erect 10-room brick veneer residence, 11th and Had-dock Sts.

Ark., Bearden—Frank Culp erect 2 bungalows.

Ark., Conway—W. C. Carter erecting 2 dwellings.

Ark., Camden—J. W. Scott erect brick dwelling, Agee St.; erect additional dwellings.

Ark., Little Rock—L. L. Hall, 2908 W. 12th St., erect brick veneer residence, 4823 U St.

Ark., Little Rock—S. F. Harmon, 512 Pine St., erect brick veneer residence, 924 Booker St.

Ark., Little Rock—G. P. Nabors, 3004 Gaines St., erect stucco residence, Prospect Terrace.

Ark., Little Rock—T. S. Wiggles erect 2

dwellings, 1510 W. 16th St. and 522 N. Ash St.

Ark., Little Rock—Henry Bros., Wrightsville, erect brick veneer residence, 611 E. 21st St.

Ark., Siloam Springs—J. O. Moorehead erect residence.

Fla., Fort Pierce—W. H. Heiby, Miami, erect 10 dwelling, Navajo Ave.

Fla., Fort Pierce—C. S. Murray plans 50 dwellings; Spanish, Moorish, Venetian and Dutch types.

Fla., Leesburg—C. M. Love plans number of dwellings connection with development.

Fla., Miami—W. F. Cozine, care J. C. H. Realty Co., 116 N. E. 2d Ave., erect \$100,000 residence, Crystal Ave. near Tigertail Rd.; 2 stories, 68 ft. wide, 9 rooms, pecky cypress ceilings, terrazzo and tile floors, Pompeian baths; R. A. Preas, Archt., Real Estate Bldg.

Fla., Nokomis—Capt. Mark S. Blaisdell, Clinton, Conn., plans residence.

Fla., Nokomis—Capt. Ambrose Bradley, Damariscotta, Maine, plans residence.

Fla., Nokomis—Geo. H. Bronson, Montreal, Canada, plans residence.

Fla., Nokomis—Frank J. Cadwell, Hartford, Conn., plans residence.

Fla., Nokomis—Capt. J. A. Matthewson, Provincetown, Mass., plans residence.

Fla., Nokomis—Emil A. Orre, Chicago, Ill., plans residence.

Fla., Nokomis—R. E. Rockaway, 430 Morrill St., Tampa, erect residence, Colonia Lane.

Fla., St. Augustine—Morton Goldenberg, Washington, D. C., plans 30 or more bungalows; cost \$3500 each.

Fla., Sarasota—C. Markland Kelly, 111 W. Mt. Royal Ave., Baltimore, Md., plans winter residence, McClellan Park.

Fla., Sebring—Wm. Trask, LaPorte, Ind., erect residence, Altamont Place.

Fla., Sebring—Thos. Whitehouse erect residence, Altamont Place.

Fla., Sebring—Mrs. Lucy Dunham erect residence, Altamont Place.

Fla., Venice-Nokomis—Dr. E. A. Thayer, 6609 Madison Ave., Cleveland, Ohio, plans residence, Bay Point.

Fla., West Palm Beach—T. R. Martin erect \$10,000 duplex and garage.

Ky., Louisville—A. W. Bennett, 2305 Osage St., erect 7 dwellings, 708 S. 43d St. and 3800 block Walnut St.; total cost \$32,000.

La., New Orleans—W. J. Mitchell, 6030 Benjamin St., erect frame and stucco residence, Soniat and Dryades Sts.; tile roof and baths; plaster interior; Armstrong & Koch, Archts., Audubon Bldg., receiving sub-bids.

La., New Orleans—Dr. Geo. C. Battalora, Hibernia Bldg., plans residence, St. Roch Ave.

La., New Orleans—Goldberg & Stahl, 1632 Thalia St., erect 2 duplexes, Lowerline and Plum Sts.; tile roofs, cost \$6000 each.

La., New Orleans—M. E. Norman receiving bids (date of closing not set) at office Nathan Kohlman, Archt., Godchaux Bldg., New Orleans, for residence; cost \$25,000, hollow tile garage, tile roof and tile baths; following contractors estimating: L. J. Woodworth, 337 Baronne St.; A. Garrett, Canal-Commercial Bldg.; J. A. Haase, Jr., 916 Union St.; G. E. & E. E. Reimann, Canal-Commercial Bldg., all New Orleans.\*

La., New Orleans—O. Pierce erect \$10,000 stucco residence, Nashville Ave. near Clara St.; tile roof, hardwood floors, tile baths, hot air heating; Paul Charbonnet, Archt., 530 Union St., receiving sub-bids.

La., New Orleans—A. L. Vitter, Louisiana Bldg., erect raised frame residence and garage, Napoleon Ave. and Miro St.; 40x70 ft. tile roof, baths and porches, hardwood finish floors, hot air heating; Jones, Roessle, Olshner & Wiener, Archts., Maison Blanche Bldg., receiving sub-bids.

La., New Orleans—Chas. Handleman, 1880 Dryades St., erect single bungalow, St. Charles Ave. and Audubon Blvd.; composition roof; L. Aronson, Contr., 340 Carondelet St.

La., New Orleans—Mrs. Desaro erect single brick veneer residence, Canal Blvd. and Fli-more St.; 31x63 ft.; Lockett & Chachere, Archts., 603 Title-Guarantee Bldg., calls bids in few days.

Md., Baltimore—Cleveland R. Bealmear, 16 E. Lexington St., erect number 2-story dwellings, Garrison and Denmore Aves.

Md., Baltimore—Clarence H. Hurlock, 306 St. Paul St., advises has no knowledge of

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building on Charles St. near University Pkwy., as lately reported.\*

Md., Baltimore—Maryland Realty Corp., 20 E. Franklin St., erect 33 brick dwellings, N. W. and S. W. cors. Annetta and Longview Aves.; 2 stories; total cost about \$100,000.

Md., Catonsville (Branch Baltimore)—Edw. Schiartz erect frame bungalow, Bishop's Lane and Bloomingdale Ave.

Md., Frederick—Gilmore R. Flauff erect 2 dwellings, Magnolia Ave., and 2, Fairview Ave.

Md., Frederick—Wm. D. Miller erect residence, Baltimore and Frederick State Rd., Bellevue Addition.

Miss., Vicksburg—J. Bowmar Dabney, Merchants National Bank Bldg., erect residence, Forrest Heights addition.

Miss., Vicksburg—Dan A. James, Bonelli Bldg., erect residence, Forest Heights addition.

Mo., Kansas City—H. G. Oehlschlager, 5725 Charlotte St., erect 2 dwellings, 11-15 E. Dartmouth St.; total cost \$10,000.

Mo., Kansas City—Isaac W. Price, 1912 E. 55th St., erect 6 dwellings, 5723-32-34-38-40-42 Olive St.; cost \$3000 each.

Mo., Kansas City—Wells Bros., 323 N. Belmont Ave., erect 5 dwellings, 5700-02-06-08-12 Olive St.; total cost \$15,500.

Mo., Kansas City—Don Ricksecker, 33 W. 57th St., erect \$13,000 residence, 1212 Huntington St.

Mo., Kansas City—L. K. Mittong, 5608 Park St., erect 5 dwellings, 5118-20-24-26-30 Olive St.; total cost \$15,000.

Mo., Kansas City—Lillian Hollyman, 2915 E. 61st St., erect 3 dwellings, 1415 E. 28th and 2804-06 Highland Sts.; total cost \$15,000.

N. C., Asheville—C. S. Rhodes, care Hamilton-Barrett Syndicate, Inc., erect 40 dwellings, Carolina's Hollywood.

N. C., Durham—John O'Brian erect \$25,000 residence; Milburn, Heister & Co., Archts., Union Savings Bank Bldg., Washington, D. C., and First Natl. Bank Bldg., Durham.

Okla., Bartlesville—Bartlesville Enterprise ready to break ground for model dwelling, Grandview addition; furnishings by local companies.

Okla., Miami — Miami News-Record erect model dwelling.

S. C., Aiken—Mrs. Francis Niblack, 190 E. Chestnut St., Chicago, Ill., plans residence at Kalmia.

S. C., Darlington—J. K. Doyle rebuild residence noted burned.

Tenn., Clinton—C. S. Kincaid erect \$10,000 residence; Dutch Colonial type; Barber & McMurry, Archts., 425 W. Clinch Ave., Knoxville.

Tenn., Knoxville—Dean Malcolm McDermott, care Univ. of Tennessee, erect English type brick residence to replace burned structure; 3 baths, tile hall on first floor; Barber & McMurry, Archts., 425 W. Clinch Ave.\*

Tenn., Knoxville—H. E. Rogers, 900 Jacksboro St., erect 2 frame dwellings, 2800 block Magnolia Ave.; 10 rooms; total cost about \$15,000.

Tenn., Knoxville—F. A. Blackburn, Briscoe Bldg., and L. A. Schneider, 2407 Virginia Ave., purchased 16 lots, Woodbine Ave., Park City, and probably erect dwellings.

Tenn., Knoxville—E. V. Ferrell, Pres., Sequoyah Hills Realty Co., 631 S. Gay St., erect residence, Sequoyah Hills; 12 rooms, 3 baths, tile and stucco, Italian type; drawing plans.

Tenn., Memphis—E. T. DePass, 1537 Netherwood St., erecting 2 dwellings, Center Drive, Hein Park.

Tenn., Memphis—E. E. Hunt erect residence, West Drive near Parkway.

Tenn., Memphis—Henry Noll erect residence, North Parkway, Hein Park.

Tenn., Memphis—W. S. Haggars erect 2 dwellings, 883-89 N. Garland St.

Tenn., Memphis—E. O. Haines erect residence, Trezevant Ave., Hein Park.

Tenn., Memphis—Chas. E. Smith, Central Bank Bldg., erect residence, Trezevant St., Hein Park.

Tex., Childress—Lon Alexander erect \$20,000 brick veneer residence.

Tex., Corsicana—W. M. Peck, Jr., reported receives bids after Feb. 23 for brick veneer residence; 2 stories, tile baths, cost \$10,000.

Tex., Cuero—J. J. Fischer erect residence, Hunt and Second Sts.

Tex., Dallas—A. B. Carter erect \$17,250 residence, 1233 Marcellaise Court; 9 rooms, stucco.

Tex., Dallas—Emery & Wiley Co. erect 11 frame cottages, 700 block Nolte St.; 5 rooms, cost \$2250 each.

Tex., Dallas—O. W. McGraw, 4515 Gilbert St., erect 2 brick veneer cottages, 5222-27 Harding St.; 6 rooms; total cost \$10,000.

Tex., Houston—G. C. Evans add 5 rooms to residence, 3219 Caroline St., Southmore addition; hollow tile and stucco; cost \$13,260.

Tex., Houston—Ira P. Jones, Sr., Scanlon Bldg., erect \$10,000 brick veneer residence, 3412 Garrett St., Westmoreland addition; 8 rooms.

Tex., Houston—G. T. Broun, 4516 Main St., erect \$10,500 brick veneer residence and garage, 1622 Milford St., North Edgemont addition; 6 rooms.

Tex., Houston—H. H. Yates, 1213 Wrightward Ave., erect \$16,000 residence and garage, 2301 Southmore St., Riverside Terrace addition; 8 rooms, brick veneer.

Tex., Houston—Robt. H. Pentz, 812 Brander St., erect 2 brick veneer dwellings, Riverside; 1 and 2 stories; total cost \$21,000; Brickey, Wiggins & Brickey, Archts., State National Bank Bldg.

Tex., Levelland—Texas Farm Improvement Co., G. L. Moody, Pres., temporary headquarters in Russell Bldg., Lubbock; erect 5-room dwelling, barn, poultry houses, livestock pens, construct well, windmill, etc.; connection with farms development near Levelland.

Tex., San Antonio—Wm. I. Thornton erect \$13,000 stucco residence, Park Ave.; 16 rooms.

Tex., San Antonio—Home Builders Co., care E. A. Carlston, plans 12 dwellings, Woodlawn Terrace; total cost about \$150,000.

Tex., Sherman—St. Mary's R. C. Church plans rectory, S. Travis St.; also repair church. Address The Pastor.

Va., Richmond—O. D. Perkins erect 3 frame dwellings, 501-05 North Side Ave.; total cost \$14,250.

### Government and State

Ala., Mobile—Treasury Dept., Jas. A. Wetmore, Act. Supervising Archt., Washington, D. C. has low bid at \$15,887 from Virginia Engineering Co., Inc., Newport News, Va., for submarine water pipe and electric cables in connection with proposed quarantine station, Sand Island near Mobile.\*

Ala., Mobile—Treasury Dept., Jas. A. Wetmore, Act. Supervising Archt., Washington, D. C. rejected bids for remodeling first floor of custom house; revising plans; probably call new bids last of Feb.; cost about \$17,000.\*

Ky., Lexington—Troop C. 53rd Machine Gun Squadron, J. Cabell Breckinridge, Capt., rebuild supply room and assembly hall noted burned at \$40,000 loss.

Miss., Jackson—Treasury Dept., Jas. A. Wetmore, Act. Supervising Archt., Washington, D. C., reported ready for bids to enlarge post office; W. F. Arnold, Postmaster; 120 lock boxes.

### Hospitals, Sanitariums, Etc.

Ala., Mobile—Mobile County Board of Revenue and Road Comms., Albert S. Towle, Pres., receives bids March 15 at Courthouse Bldg. for erection and completion of certain new units at City Hospital; separate bids for plumbing, heating and electric work; plans and specifications from Geo. B. Rogers, Archt., 1007 Van Antwerp Bldg.\*

Ala., Sheffield—City votes March 15 on \$75,000 hospital bonds.

Ark.-Tex., Texarkana—Dr. J. K. Smith and associates laying foundation for \$15,000 clinic, Walnut and Sixth Sts.; brick, half-base-ment, stucco above, 94x92 ft.

Fla., Fort Myers—City issue \$200,000 hospital bonds. Address City Council. (See Buildings Proposed—City and County.)

Fla., Miami—City, F. H. Wharton, City Mgr., voted hospital extension bonds.

Fla., Miami Beach—Florida Progress Club, Dr. M. J. Jarvis, Pres., interested in \$60,000 charity ward at Allison Hospital.

Fla., Stuart—Casper Hauser, Palm City, representing New York interests, considering sites for proposed \$6,000,000 health hotel. (See Buildings Proposed—Hotels and Apartments.)

Fla., Tampa—City has low bid at \$1,086,000 from Fred T. Ley & Co., Springfield, Mass., and 230 Boyle St., New York, for mu-

nicipal hospital; M. Leo Elliott, Archt., Citizens Bank Bldg.; Stevens & Lee, Consult. Archts., 45 Newberry St., Boston, Mass.\*

Mo., Kansas City—Jackson County; \$225,000 hospital bond election contemplated. (See Buildings Proposed—City and County.)

N. C., Stokes County—Stokes County Board of Comms., Danbury, have offer of \$50,000 from Cicero Tise Estate, A. H. Eller, Trustee, for hospital, provided will be located at Vade Mecum.

S. C., Greenville—W. W. Burgess Foundation receives bids early part of March at office Peacham & LeGrand, Asso. Archts., 17-A North St., for Shrine Hospital for Crippled Children, National Highway near Greenville; 145x348 ft., central section 3 stories, wings 2 stories; Hentz, Reid & Adler, Archts., 924 Forsyth Bldg., Atlanta, Ga.\*

Tex., Dallas—Dallas Medical & Surgical Clinic, Dr. R. B. McBride, 4105 Live Oak St., member of staff, erect building.

Tex., Knox City—Voelcker & Dixon, Archts., 312 Morgan Bldg., Wichita Falls, advise proposed \$50,000 Knox County Hospital indefinitely postponed pending new election.\*

Va., Farmville—Commonwealth Fund, 1 E. 57th St., New York, will furnish \$120,000 for Southside Community Hospital; additional \$60,000 being raised by local people; probably let contract about April 1; drawing plans.\*

### Hotels and Apartments

Ala., Mentone—Mrs. Charles Cay, owner of Yacht Club Inn., Duneedin, Fla., purchased Riverside Hotel, expend \$25,000 for improvements.

Ark., Glenwood—T. E. Alford plans to erect hotel building.

Ark., Little Rock—A. L. Wallace erect brick veneer duplex apartment house on Lee Ave.

Fla., Astor—Wisdom D. C., reported to start erection of hotel at once.

Fla., Bartow—C. P. Zazzali, Lakeland, has plans in progress by E. R. James for 2-story, hollow tile with stucco finish, 21-apartment house, Maine and Jackson Sts.; hardwood and tile floors.

Fla., Belleaire—Walter W. Ahlschlager, Archt., 65 E. Huron St., Chicago, Ill., assisted by Robert W. Smallwood, Clearwater, preparing plans for 10-story, fireproof, Spanish Renaissance type, co-operative apartment building, at Beachhaven; James G. Trainer, Vice-Pres. of Rehnart Realty & Construction Co., 36 W. 44th St., New York, in charge of construction.

Fla., Dania—J. Dever, Propr. of Hotel Lincoln, purchased property as site for proposed 560-room hotel.

Fla., Daytona—Mrs. A. C. Lewis erect \$20,000, frame and stucco apartment house, Atlantic Ave.

Fla., Delray—Indian River Heights Corp., W. C. Rhoades, Pres., plans to erect 49-room hotel and repair other buildings in connection with development.

Fla., Delray—J. A. Zeder erect \$21,000, 2-story, 4-family apartment house on Traynot St.

Fla., Fort Pierce—Dr. W. J. Copeland, developer of San Lucie Plaza, plans immediate construction of 16-family apartment house.

Fla., Gainesville—Florida-Tennessee Investment Co., Inc., E. N. Kyle, Pres., offers site, 100x150 ft., free of all encumbrances, to builder of hotel to cost not less than \$100,000; offer good until Feb. 27.

Fla., Greenville—T. T. Hollingsworth leased hotel in Young Bldg., Green St. and Dickinson Ave.; will build lobby on ground floor and make other improvements.

Fla., Haines City—J. P. McWilliams erect \$40,000 apartment building.

Fla., Hollywood—St. James Park Hotel Co., incorporated to erect \$250,000, 100-room hotel in Delmar section of St. James Park; Carey & Danis, Archts., Washington, D. C., associated with George Dailly, Miami.

Fla., Hollywood—E. H. Whitson erect \$87,000, 2-story, 53-room rooming house, Jackson St.

Fla., Hollywood—E. A. Van Atten erect \$40,000, 2-story, 8-family apartment house, Dixie Highway and Shenandoah Drive.

Fla., Hollywood—M. Lewenberg and M. Singer erect \$21,000, 2-story, 26-room rooming house, Filmore St.

Fla., Jacksonville—Dan W. Stewart, 520 Florida Ave., reported to erect first of chain

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of new system hotels, to be built in units and ultimately have 300 rooms.

Fla., Lake Weir—Lake Weir Estates, Inc., Louis B. Magid, Pres., Harrington Hall Hotel, Ocala, purchased Martin property; contemplates erecting tourist hotel to cost at least \$2,500,000, country club with hotel accommodations and golf course to cost \$2,000,000, in connection with \$15,000,000 development.

Fla., Miami—Hassell & Dupree, 30 S. E. First Ave., soon start work on 11-story building to contain 200 apartments and 22 stores; 2 high-speed elevators, stores and lobby on first floor; only 3 stories to be built at present; also erect \$50,000, 3-story, 12-apartment house in Carolina Heights, S. W. 28th Ave. and 4th St.; Lee L. Wade, Archt., Professional Bldg.

Fla., Miami—C. J. Cohen, 140 N. E. First Ave., erect \$40,000, 2-story, 8-family apartment house on Seventh St. between 21st and 22d Aves.

Fla., Miami—Florida Hotel Assn., Inc., I. C. Oberdorff, Pres., W. Flagler Arcade, 236 W. Flagler St., announced building program to include number of hotels; Moorish and Spanish architecture, not over 3 stories high; site for first hotel on W. Dixie Highway in Biscayne Park Estates; F. J. McFadden, Archt.; John J. McAllister, Constr. Engr.; address care owners.

Fla., Miami—Alice S. Bear erect \$15,000, 2-story, cement block, 12-unit apartment house, S. W. 17th St. and 18th Ave.; J. C. Gault, Archt., Commercial Arcade.

Fla., Miami—William Butler erect \$12,000 apartment house, 1948 N. W. Fourth Ave.; J. C. Gault, Archt., Commercial Arcade.

Fla., Orlando—H. A. Coggin, 8 Wall St., heading local group, interested in erection of \$1,000,000 200-apartment building on co-operative plan.

Fla., Osteen—Lake Crest Hotel Co., Avery Vaino, Mayor, Glenn Tyler and others, organizing for erection of 20-room hotel at Lake Joyful, on Sanford-Osteen Highway, of palmetto logs and stucco construction.

Fla., Palm Beach—Ocean & Lake Realty Co. has permit for \$200,000, 5-story, 24-family apartment and business building, Royal Palm Way and Lake Trail.

Fla., Punta Gorda—Golden Gate Hotel Co., care C. D. Heister, contemplates erecting \$425,000, 11-story, steel frame, brick, stone trim, fireproof, 63x125-ft. hotel; floors of terrazzo, tile, cement, wood and rubber tile; concrete foundation, built-up composition roof, hollow tile, wire glass, metal doors, mail chutes, ventilators, marble, cast stone; Lawrie & Green, Archts., 116 Locust St., Harrisburg, Pa., and 1529 Grand Central Ave., Tampa; Richard Newbold, Engr., care Steel Service Co., 1430 S. Pennsylvania Sq., Philadelphia, Pa.; equipment and furnishings cost \$90,000; still in development stage.

Fla., Stuart—Casper Hauser, Palm City, representing New York interests, considering sites for proposed \$6,000,000, 6-story health hotel, to contain theater to seat 1200, ball room, electrical institute, gymnasium, etc.; 150 rooms on each floor; Thomas M. Acken, M. D., 70 W. 92nd St., New York City, heading project.

Fla., Tampa—Fred Rudinger & Co. erect \$30,000 apartment house, 506 Westland St.

Fla., Tampa—Capt. J. H. Woods soon start work on 4-family, stucco finish apartment house El Prado Blvd., in Bel-Mar; George Walker, Archt.

Fla., West Palm Beach—Northwood Investment Co., D. F. Dunkle, Pres., announced work to start soon on \$250,000, 3-story apartment building in Northwood (Sta. West Palm Beach); Harvey & Clark, Archts.

Fla., West Palm Beach—Simon Rath, Samuel Lerner, A. Gussow, 43 E. 30th St., all New York, represented by P. N. Hiatt, contemplates erecting \$1,400,000, 200-apartment building, S. W. cor. Chase St. and Trinity Place; Howard Major, Archt., Palm Beach, will collaborate with New York architects.

Fla., West Palm Beach—E. G. Rupprecht erect \$50,000, 3-story, 18-family apartment house, Iris St.

Fla., West Palm Beach—J. A. Edwards erect \$20,000, 16-room apartment house.

Fla., Zolfo Springs—H. C. Licht plans to erect eight 3-room apartment houses.

Ga., Glennville—Glennville Hotel Co., S. O. Edwards, Pres.; C. L. Cowart, Sec., will erect brick hotel building; sponsored by Kiwanis Club.

Ga., Milledgeville—Lee N. Jordan completed negotiations for erecting \$100,000, 75-room hotel, Green and Wayne Sts.; steam

heat, 4 stories, elevators, every room with bath.

Ky., Louisville—Southern Baptist Theological Seminary purchased property, reported, planning to erect two 3-story, brick apartment houses to cost \$350,000.

La., Monroe—E. T. Smith erect \$18,000, 2-story, brick, 27-room hotel, Sixth St.

Md., Point Lookout—Point Lookout Corp. employed Milburn, Heister & Co., Union Savings Bank Bldg., Washington, D. C., prepare plans and specifications for \$200,000 Colonial hotel facing beach, in connection with development; start work in early spring.

Miss., Biloxi—Benevolent, Protective Order of Elks, J. E. Breaux, exalted ruler, contemplates erecting 100-room hotel, Lameuse and Jackson Sts., adjoining home.

Miss., Marks—Tourist Hotel Co., Memphis, Tenn., purchased property, planning to erect 70-room hotel; also garage and filling station in connection.

Miss., Meridian—Myer Brothers and associates contemplates erecting \$500,000, 10-story, 150-room hotel.

Miss., Pascagoula—F. H. Lewis, realtor, announced purchase of tract on beach by committee of citizens who are perfecting plans for 75-room hotel.

Mo., Clayton (Ind. Sta. St. Louis)—Fred Sloebright, 624 Chestnut St. erect two 65x52 ft. brick apartments, N. Rosebury St., De Mun Park.

Mo., St. Louis—City Club Hotel Co. incorporated by George B. Logan, 500 Olive St.; Walter M. Warren, and others, capitalized for \$60,000, to operate as hotel, 183 bedrooms on 6 floors of 15-story City Club building, 11th and Locust Sts.; alterations to cost \$40,000; will purchase bedroom furnishings at about \$80,000.

N. C., Asheville—John S. Carpenter, Cabarus Cotton Mills, Kannapolis, N. C., and Chicago interests planning to erect hotel and 20 bungalows in mountains near Asheville; cost \$1,500,000; Mr. Carpenter advises: "Location will not be decided until middle of March; Chicago architects working on plans."

N. C., Greensboro—West End Realty & Construction Co. has permit for \$75,000 apartment house, 5368-76 Natural Bridge Ave.; stores on ground floor, 36 apartments above.

N. C., Hendersonville—Country Club Estates, Inc., O. R. Browne, 1510 Hillsboro St., W. B. Drake, Jr., 717 N. Blount St., both Raleigh, announced plans for expenditure of \$1,100,000 in developing property on Dixie Highway, to include hotel and \$100,000 clubhouse.

N. C., Lenoir—S. Q. Myers, owner of Carlheim Hotel, soon have completed plans by Benton & Benton, Fidelity Bldg., Wilson, for 50-room addition and remodeling; \$75,000.\*

N. C., Southern Pines—Mid-South Development Co., W. A. Way, Pres.; W. C. Mudgett, Vice-Pres.; J. Talbot Johnson, Treas.; A. S. Newcomb, Sec., wires: "Just closed subscriptions for \$1,000,000 hotel to be built between Southern Pines and Pinehurst and will proceed immediately with preparation of plans."

Tenn., Chattanooga—O. Z. Wise, 417 Poplar St., erect apartment house at 415 Poplar St.

Tenn., Jonesboro—Kiwanis Club, Paul M. Fink, Vice-Pres., interested in erection of hotel.

Tenn., Memphis—R. L. Mobley, Lee Bldg., erect 16-room, brick veneer apartment building, 306 N. Waldron Blvd.

Tenn., Memphis—William White, 25 S. Second Ave., has plans by Hanker & Cairns, Hill Bldg., soon let contract for \$750,000, 300x200-ft., 9-story, fireproof, 250-unit, structural steel, concrete and brick, with stone and terra cotta trim co-operative apartment house, Madison Ave. and Manassas St., to be known as Forrest Park Apartments; 3 high-speed passenger elevators, 1 freight, 16 store spaces, roof park on single-story section of building.

Tex., Amarillo—Ernest Thompson and Ross Rogers announced immediate construction of \$300,000, 11-story addition to Amarillo Hotel; also announced plans for 45-room, \$50,000 hotel at Memphis.

Tex., Colorado—J. M. Thomas and Ross Dixon, Colorado, and Earl E. Parkhurst, Athletic Club Bldg., Dallas, have plans in progress by Young & Young, S. W. Life Bldg., Dallas, for \$300,000, 97x90-ft., 4-story, brick, stone, steel and reinforced concrete hotel building; tar and gravel roof, concrete and terrazzo floors, plaster on gypsum block, 1 elevator.

Tex., Dallas—H. L. Benson, 1112 Collia St., erect \$12,500, 24-room, brick veneer, 8-apartment houses, 6026-38 Victor St.

Tex., Dallas—F. S. Brownlee, 2933 Commerce St., erect \$12,500, 16-room, brick veneer, 4-apartment house, 4508-10 Bowser St.

Tex., Dallas—John R. Hines, 5321 Bryan St., erect \$12,500, 24-room, brick veneer, 8-apartment house, 4812 Live Oak St.

Tex., Dallas—L. O. Robertson, 2305 San Jacinto St., erect \$18,500, 32-room, brick veneer, 8-apartment building, 2305 San Jacinto St.

Tex., Dallas—C. W. Rush, 4634 Junius St., erect \$12,000, 16-room, brick veneer, 4-apartment house, 5917-9 Bryan Pkwy.

Tex., Dallas—B. P. Smith, 823 College St., erect \$20,000, 16-room, brick veneer, 8-apartment house, 4901-3 Worth St.

Tex., Dallas—C. W. Wheat, Deere Bldg., erect \$10,000, 12-room, brick veneer, 2-apartment house, 6132-4 Tremont St.

Tex., Dallas—J. B. White, 5444 Bonita St., erect \$12,500, 24-room, brick veneer, 8-apartment house, 4718 Bryan St.

Tex., Fort Worth—Jesse Jones, Goggan Bldg., Houston, reported to erect 22-story hotel and theater building, W. Seventh St.

Tex., Houston—E. W. Seale, 717 E. 20th St., erect \$13,000, frame and brick veneer, 4-apartment house, Hadley and Franklin addition; 4 rooms and bath each.

Tex., Memphis—Ernest Thompson and Ross Rogers. (See Tex., Amarillo).

Tex., Plainview—H. H. Tilson and E. L. Dennis start work March 1 on \$65,000 brick with stone trim apartment building, Seventh and Denver Sts.; heating plant and laundry facilities in basement, seventeen 2, 3 and 4 room apartments.

Tex., San Antonio—A. D. Rogers, Southland Life Insurance Co., Russell Bldg., purchased corner Martin and Navarro Sts., reported to erect hotel or apartment building.

W. Va., Clarksburg—Booth Real Estate Co., W. I. Booth, Prunty Bldg., planning to erect \$750,000, 12-story Stonewall Jackson Hotel, on site of present Prunty Building, Third St. and Murdock Alley; contain 162 rooms, all with bath, hall room and banquet hall on second floor, lobby and coffee shop on ground floor, dining room on third and 3 private dining rooms.\*

### Miscellaneous

Florida—L. E. Sheppard, Pres. of Order of Railway Conductors of Cedar Rapids, Iowa, heading committee considering sites for proposed home for aged conductors and their wives.

Fla., Coral Gables—H. Burgett Hall, 21 S. W. Second Ave., announced contract will soon be let for Miami Community Market; Benjamin F. Mitchell, designer and Engr. in charge.

Fla., Dunedin—E. S. Frischkorn, Pres. of Frischkorn Florida Co., announced plans for \$150,000 country club and 18-hole golf course at Dunedin Isles.

Fla., Miami Beach—C. O. Youngstrand, Chicago, Ill., and Miami, announced plans for club building program to cost \$5,000,000, and be known as Royal Palm Club; includes construction of 800-room residential club, clubhouse on ocean front, yacht and fishing clubhouse on bay front; Lee J. Chase, 316 N. Bayshore Drive, Miami, Pres.; Edward C. Schwab, Milwaukee, Wis., Treas.; James Roy Allen, Archt., 410 S. Michigan Blvd., Chicago, and Miami Beach.

Fla., Quincy—Country Club Highlands, Inc., erect clubhouse in connection with development. (See Land Development.)

Fla., Tampa—Friday Morning Muscalle Club opened bids for erecting building, Horatio Ave. and Brevard St.; W. B. Johnson Construction Co., 2005 Maple Ave., low bidder, at \$43,354.

La., Stonewall—A. Mosely has plans in progress for roadhouse and garage and filling station, Jefferson Highway and High School Road.

Mo., Kansas City—J. C. Nichols Co., Meyer Blvd., and Ward Pkwy., erect tower as extension to Balcony Bldg., 47th St. and Broadway, as part of \$2,250,000 building program outlined for this year; adding 4 more shops to French Romanelli group on Wornall Road.

N. C., Danbury—P. T. Taylor, Winston-Salem, purchased 1000-acre tract; planning to erect hunting clubhouse.

Tenn., Dyersburg—Okeena Country Club, Jack Bratton, Pres., plans to erect new clubhouse.

Tex., Dallas—Ed Sewell, director of Texas Museum of Natural History, urging imme-

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date construction of natural history museum.

Tex., Denton—City Federation of Women's Clubs planning to erect \$10,000 community house in City Park.

Tex., Seguin—Guadalupe County Fair Assn., care George J. Kempen, plans to enlarge grandstands and additions to auto exhibition halls.

Va., Harrisonburg—Spotswood County Club recently formed to erect \$15,000 clubhouse.

### Railway Stations, Sheds, Etc.

Ala., Jasper—Southern Railway Co., Henry W. Miller, Vice-Pres., Washington, D. C., reported to erect new station.

### Schools

Ala., Birmingham—Jefferson County Board of Education, 746 N. 21st St., receive bids until Feb. 26 for additions to Tarrant City and Brookside Schools; plans may be obtained from Bem Price, Archt., Age-Herald Bldg.

Ala., Rogersville—Lauderdale County Board of Education, Florence, planning to erect \$40,000 school building.

Ark., El Dorado—School Board accepted plans by Charles L. Smith, Little Rock, for \$100,000, 2-story, brick, 14-classroom and auditorium school building.

Ark., Jonesboro—Jonesboro College, Robert A. Sammons, Chmn., plans drive for funds for erecting girls' dormitory.

Fla., Fort Lauderdale—Broward County Board of Public Instruction, James S. Richards, Supt., plans to erect 4 grammar schools and new high school.

Fla., Frink—School Board opens bids this week for additions to school building.

Fla., Jacksonville—State Normal School planning to rebuild Boys' Dormitory, recently burned; fireproof, steam heat, hot and cold water in all rooms.

Fla., Lake City—Lake City school district voted \$175,000 bonds to be used as follows: \$70,000 for enlarging main building of Columbia High, \$45,000 for new primary, \$60,000 negro school; Col. J. B. Hodges, Columbia County Board of Public Instruction; Edwards & Sayward, Archts., 101 Marietta St., Atlanta, Ga.\*

Fla., Tampa—Hillsborough County Board of Public Instruction erect 12-room addition to Memorial Junior High School, Central and Osborne Aves.; Francis J. Kennard & Son, Archts., Krause Bldg.

Fla., West Palm Beach—Palm Beach County Board of Public Instruction approved plans by Wm. Manley King for new Venetia school to be erected on site donated by H. O. Hart.

Fla., Winter Park—City, Mayor C. Fred Ward, votes March 9 on \$200,000 bonds for new high school building.\*

Ga., Atlanta—Building Committee of Columbia Theological Seminary, Rev. E. L. Hill, D. D., Chmn.; Dr. R. T. Gillespie, Pres. of Seminary, and others, authorized Edwards & Sayward, Archts., 101 Marietta St., prepare plans for buildings, ultimate program to cost \$1,000,000; first unit, to be constructed immediately, consist of administration building, dormitories, apartments, refectory, heating system and homes for faculty.\*

Ga., Fitzgerald—School Board soon have \$90,000 available for erection of auditorium at High School and several additional classrooms, new school in first ward, wooden building for colored; O. H. Lang, Const. Engr.

Ga., Jasper—Town voted \$18,000 school bonds; address Pickens County Board of Education.

Ga., Jessup—School Board has plans in progress by Lloyd Grier, Valdosta, for brick High School building.

Ga., Macon—Bibb County Board of Education probably let contract in May for \$100,000 16-room, 1-story, brick school building in Newberg, on Houston Road; Dunwoody & Oliphant, 460 Broadway, and Claude W. Shelverton, Grand Bldg., Archts.

Ga., St. Marys—St. Marys Consolidated School District Board of Trustees sold \$17,000 bonds for building and equipping schools.

Ky., Louisville—Board of Education Samuel D. Jones, business director, obtained options on proposed sites for 6 new junior high schools, work to start in May; will expend \$2,000,000 of recently voted \$5,000,000 bonds; improvements also to include additions to elementary schools.\*

Ky., Vanceburg—Lewis County Board of Education considering erecting \$35,000 high school building.

La., Baton Rouge—Louisiana State University, R. L. Himes, Sec., Building Committee, receives bids until February 19 for 2 residences; plans and specifications may be obtained from Wogan & Bernard, Archts., Old Raymond Bldg.

La., Delhi—Richland County Board of Education, E. E. Keebler, Sec., Rayville, select architect May 2 for \$125,000 High School building.\*

La., Grand Bayou—Red River Parish School Board, Coushatta, receive bids until March 3 for 2-story, brick High School; plans and specifications may be obtained from Edward F. Neild, Archt., Merchants Bldg., Shreveport.\*

La., McDonoghville—Jefferson Parish School Board, Vic A. Petre, Pres., Gretna, opened bids for erecting 2-story, brick elementary school; H. W. Bond & Bro., 1019 Constantine St., New Orleans, low bidder at \$93,200; J. Bodenger, Algiers, low bidder for plumbing, including oil burning equipment, at \$8758; Wm. T. Nolan, Archt., Canal-Commercial Bldg., New Orleans.\*

Md., Baltimore—Alumni of Calvert Hall School considering purchase of former Knights of Columbus building, to be remodeled for classrooms.

Md., Baltimore—Shearith Israel Congregation will erect Northwest Talmud Torah and Hebrew Parochial School, at 2100 Calow Ave.

Miss., Hattiesburg—Board of Education receive bids until March 9 for \$60,000, 1-story school building; stucco exterior, tile roof, brick and frame walls; N. W. Overstreet, Archt., Overstreet Bldg., Jackson.\*

Miss., Lyman—Harrison County Board of Education, Gulfport, call election March 2 in Lyman, separate school district on tax of \$45,000 to buy land and erect school house.

Mo., Mexico—Hardin College selected Bon-sack & Pierce, 7040 Live St., St. Louis, Archts. for \$100,000, brick with stone trim Conservatory of Music building; equipment and furnishings cost \$30,000; address proposals to S. J. Vaughn.\*

N. C., Charlotte—Mecklenburg County Board of Education, J. M. Matthews, Supt., has plans by Louis Asbury, 1514 E. 4th St., for \$65,000 to \$70,000 school on Sloan's Ferry Road, in Berryhill township.

N. C., High Point—T. Wingate Andrews, Supt. of Public Schools, considering sites for proposed \$70,000 school building at Oak Hill.

N. C., Madison—School Board plans to erect \$85,000 high school on Blennerhassett Island.

N. C., Polkton—Anson County Board of Education, R. W. Allen, Supt., Wadesboro, receives building and steam heating bids until February 15 for addition to school; plans may be secured from Linthicum & Linthicum, Archts., 17 S. Wilmington St., Raleigh.

N. C., Roaring River—School Trustees and Wilkes County Board of Education, North Wilkesboro, planning to erect \$28,000 school building.

S. C., Columbia—The Citadel, John P. Thomas, Charleston, Chmn., Board of Trustees, announced offer of \$150,000 for erection of new barracks, if legislature will appropriate additional \$150,000.

S. C., Columbia—Winthrop College, Dr. D. B. Johnson, Pres., contemplates erecting \$300,000 dormitory.

S. C., Greenville—Green County Board of Education, Robert L. Meares, Jr., Supt., plans rebuilding Double Springs school recently burned.

S. C., Moore—Spartanburg County Board of Education, Spartanburg, soon let contracts for \$12,000, 2-story, 4-classroom and auditorium school building at Moore and \$6000, 1-story, 4-room, brick veneer building at Stone's Station.

Tenn., Knoxville—Alpha Tennessee Chapter of Sigma Phi Epsilon fraternity of University of Tennessee purchased lot on Hillside, near Lake St., planning to erect fraternity house in early spring.

Tex., Arlington—Board of Directors, Agricultural & Mechanical College of Texas, College Station, open bids about March 15 for \$35,000, 1-story and basement, brick and concrete, 42x114 ft. and 41x64 ft. L-wing Dining Hall building at North Texas Agricultural College; sheet metal roof, wood, concrete and linoleum floors, concrete foundation, hollow tile, metal ceilings, steel sash, ventilators; equipment and furnishings cost \$5000;

Henry Norton June, Archt., Box 1612, College Station.\*

Tex., Fort Worth—Board of Trustees Fort Worth Independent School District receive bids until Feb. 23 for 3-story, brick, stone and reinforced concrete Junior High School building, Nashville St. and Avenue B. Polytechnic; plans and specifications may be obtained from W. G. Clarkson & Co., Archts., 510-11 First National Bank Bldg.\*

Tex., San Angelo—City votes March 13 on \$250,000 bonds for erection of Junior College building and \$250,000 bonds for new ward school, additions to East and North Wards, etc.; Phelps & DeWees, Archts., 718 Gunter Bldg., San Antonio; C. R. Hallmark, Sec., Board of Education.\*

Va., Harrisonburg—State Teachers' College contemplates erecting first unit of administration building pending \$85,000 appropriation by General Assembly.

Va., Ivanhoe—School building, loss \$30,000; address Wythe County Board of Education, Wytheville.

Va., Lynchburg—School Board has \$12,500 appropriation for new equipment for R. E. Lee Junior High School building.

Va., Richmond—Charles M. Robinson, Archt., Times-Dispatch Bldg., receives this week bids for \$130,000, 55x120-ft. chemistry building at University of Richmond, F. W. Boatright, Pres.; fireproof, floors of tile or composition; complete plans in about 30 days for physics building; Cram & Ferguson, 249 Boylston St., Boston, Mass., Supv. Archts. of University.\*

### Stores

Ala., Andalusia—Andala Co., J. G. Scherf, Mgr., soon let contract for erecting 3-story building.

Ark., Little Rock—Jacob Blass & Sons, Gilbert J. Blass, Pres., 504 Main St., erect new department store at present location, 504 Main St.

D. C., Washington—Young Men's Shop purchased property on F St. between 13th and 14th; selected Milburn, Helster & Co., Union Savings Bank Bldg., prepare plans and specifications for new store building.

Fla., Coral Gables—Sutherland-Allen, Inc., start work immediately on \$70,000, 8-store and 15-office building, Madiera Ave. and Ponce de Leon Blvd.

Fla., Jacksonville—Bacon-Hoyt Realty Co., E. H. Bacon, Pres., 2036 St. Johns Ave., plans immediate construction of 95x65-ft., Spanish type, 5-storeroom building, Park St.

Fla., Miami—C. H. Perry, 43 S. W. Second St., erect 5 stores at W. Flagler St. and Douglas Rd., \$12,000; 50x88 ft.

Fla., Miami—Thomas F. Barrett purchased plot 75x135 ft. on Tamiami Trail; plans to erect store and apartment house.

Fla., Miami—Alladin City Sales Co., Halcyon Arcade, O. E. Sovereign, Pres., announced plans in progress for 3 business blocks.

Fla., Sarasota—Geisler and Tyler erect \$10,000, brick and tile building, Ninth and Adelia Sts.; 2 stores on first floor, lodge room or hall above; W. L. Humphrey, Archt.

Fla., Sarasota—Harrison-White Corp. erect \$16,800, cement block, 1-story store building, W. Tenth St. and Central Ave.

Fla., Sarasota—Sarasota Cement Products Co. erect \$12,000, 2-story, cement block store building on Central Ave.

Ga., Atlanta—Maison Maurice, 661 Fifth Ave., New York, leased building at 2-4 Whitehall St.; expend \$50,000 for remodeling; work under direction of Hentz, Reed & Adler, Archts., Candler Bldg.

Ga., Atlanta—John Keiley erect \$35,000, 2-story, brick and steel store building, 135 Spring St.

La., Baton Rouge—Lewis A. Grosz, Archt., receiving bids for \$20,000, 1-story, brick store building on Florida St.; plate glass windows, composition roof, tile floors.

La., Ferriday—W. Posternack & Sons will remodel building at Main and Front Sts.; expend \$2750 for new fixtures; will also improve hardware store and erect warehouse.

La., Lake Charles—Paul J. Barbe, Shell Beach, and Ernest R. Barbe, 206 Lake St., erect \$10,000 brick building, Pujo and Bilbo Sts.

La., Lake Charles—Steinman & Sons, Archts., 516 Kyle Bldg., Beaumont, opened bids for erecting 2-story, 103x77-ft. Miller store and office building; McDaniels & Hartford, Beaumont, low bidder, at \$63,340.\*

La., Lake Charles—R. S. McCook, Archt.,

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Frank Bldg., opened bids for erecting 2-story brick store and office building for Hollins Insurance Agency; Knapp & East, Kaufman Bldg., low bidder, at \$25,201.

La., Monroe—F. T. Smith, 6th St., started work on 75x85-ft., 2-story, brick, fireproof building, 6th and Harrison Sts.; 3 stores on and concrete floors, tar and gravel roof.

La., New Orleans—Mrs. V. Leglise, 318 Bourbon St., have plans and specifications in 5 weeks by Lockett & Chachere, 603 Title-Guarantee Bldg., for remodeling 2-story, brick building, 413 Bourbon St., for 2 stores and 3 apartments; \$14,000; plate glass windows, tile work, composition roof.

La., New Orleans—Andry & Feitel, Archts., Carondelet Bldg., receive bids for remodeling Beckman's Clothing store, 330 St. Charles St., on revised plans.\*

La., Stonewall—J. P. Annan, Archt., Slatery Bldg., Shreveport, open bids March 15 for 1 story and basement, brick building, Mansfield Road, for R. Mosely, to house restaurant and garage; 50x60 ft., concrete foundation, composition roof, plate glass windows, structural steel.

Miss., Lucedale—O. S. Morgan, Merrill, purchased lot on Main St.; erect brick business building.

Mo., Clayton (Ind. Sta. St. Louis)—Herman Frey, Appington, erect \$10,000, 40x52-ft. double store and flats.

Mo., Kansas City—James G. Guinotte, Title & Trust Bldg., erect \$10,000 business building, 1406-S E. 39th St.

Mo., Poplar Bluff—W. N. Barron erect \$50,000 brick building.

Mo., Springfield—George Beihl, 611 Cherry St., erect \$20,000 business building, Roberson Ave. and Pershing Way.

N. C., Asheville—T. C. Coxe, 8 Government St., has permit for remodeling 4 store fronts on Wall St.; \$20,000.

N. C., Charlotte—Charles Moody, 209 S. College St., plans rebuilding 2-story building at Trade and College Sts., recently burned at \$150,000 loss.

N. C., Charlotte—Winchester Electric Co., W. G. Belk, Pres., 11 E. Trade St., soon start work on 3-story building on S. Tryon St.

N. C., Greensboro—Gilmer's, Inc., Ambrose T. Nixon, Mgr., 320 S. Elm St., planning to move store to 100 block S. Elm St.; install new fixtures, construct new front, renovate and improve.

S. C., Anderson—Mercantile Investment Co., W. Frank McGee, Pres., start work in early spring on 34x94-ft. brick building, Federal St., to be occupied by King Grocery Co.; 1 electric elevator.

Tex., Dallas—Ida M. Dodson erect 2 brick store and oil station, 4901-5 Ross St., \$15,000.

Tex., Dallas—Sam Lobello erect \$11,000 brick stores and garage, 3014-22 Greenville St.; \$6500, 1-story, brick garage, 2404-6 Main St.; 3 brick stores, 3800-4 Ross St., \$16,000.

Va., Harrisonburg—B. Ney & Son announced plans for rebuilding front part of department store, N. Main St.

Va., Norfolk—Dr. R. R. Robertson, 620 Park Ave., Portsmouth, soon complete plans for 2-story, brick, \$40,000 store and office building, High and Washington Sts.

Va., Norton—Norton Coal Co., J. K. Taggart, Mgr., plans rebuilding commissary and offices recently burned.

Va., Petersburg—H. P. Stratton, 236 S. Sycamore St., considering remodeling front of Exchange Building, on W. Bank St., for stores.

Va., Richmond—Belmont Plisco, 317 N. Adams St., erect 4 brick store dwellings, 323-7 N. Adams St. and 23 W. Marshall St.; \$12,350.

### Theaters

Ala., Birmingham—Little Theater, Eugene Fies, Chmn., American Trust Bldg., purchased lot at S. 26th and Adams Sts., overlooking Caldwell Park; planning to erect theater building.

Fla., Buena Vista—Sees Fla., Miami.

Fla., Miami—Paramount Enterprises, Inc., W. A. Leach, 136 S. E. First St., Miami, director, announced plans for construction of 3 theaters to cost more than \$2,000,000; leased site 175x150 ft. at W. Flagler St. and 16th Ave. for \$500,000 building; L-shaped lot on N. E. Second Ave., Buena Vista, 75x174x98 ft., for \$500,000 building to include stores and offices; and Collins Ave. and Eighth St., Miami Beach, for \$650,000, 2-story structure with stores on ground floor and offices above; Miami and Buena Vista structures to be financed by Paramount Enterprises, Inc.; Miami Beach building sponsored by Joseph B. Lynch and Ernest W. Patterson, Cambridge, Mass.; John Eberson, Archt., 212 E. Superior St., Chicago, Ill.

Fla., Miami—Paul R. Scott, First Natl. Bank Bldg., announced plans for construction of \$1,000,000 amphitheater; Tex Rickard, owner and manager of Madison Square Garden, New York, interested.

Fla., Miami Beach—See Fla., Miami.

Fla., Wildwood—Meyer M. Toddy, heading corporation, soon start work on \$75,000, 2-story theater building; also provide 10 stores and 9 offices; Avery & Round, Archts., 2 Roser Bldg., St. Petersburg.

Mo., Kansas City—H. O. Edwards, care Ennis Real Estate & Investment Co., Continental Bldg. (See Buildings Proposed—Bank and Office.)

Mo., Springfield—S. E. Wilhoit, Pres. of Jefferson-Princess Theater Co., planning extensive improvements at Princess Theater, Commercial St.

Tex., Fort Worth—Jesse Jones, Houston. (See Buildings Proposed—Hotels and Apartments.)

### Warehouses

Ala., Birmingham—Royal Hosiery Co., John S. Coxe, Sr., Pres., start work immediately on \$50,000 concrete warehouse, Avenue B and 16th St.

Fla., Bunnell—Flagler County Lumber Co., P. F. Hudson, Pres., erect warehouse.

Fla., Miami—Skagseth Stationery Co., 36 W. Flagler St., erect \$15,000, 2-story warehouse, S. W. 19th Road.

Fla., Sebring—P. G. Gearing erect semi-fireproof warehouse on Fernleaf Ave.

Md., Baltimore—Utility Manufacturing Co. erect \$10,000, 16x61-ft. warehouse, 1816-24 Lancaster St.

S. C., Dillon—Frank B. David, Pres.; E. W. Wilson, Sec.-Treas., selected as temporary officers to organize tobacco warehouse company, purchase site, erect building and equip.

Tenn., Lenoir City—Jim Eblen interested in erection of tobacco warehouse.

Jacksonville; 20 shops on first floor, 50 offices above.

Ga., Tallapoosa—Tallapoosa Mills erecting 36x42-ft. office building.

La., Arabi—Arabi Packing Co. let contract to Thos. H. Brockman for office building; 1 story, 30x68 ft., brick, composition roof, steam heat; Rathbone DeBuys, Archt.; Juan G. Landry and Albert L. Theard, Asso. Archt., all Hibernia Bldg., New Orleans.\*

La., New Orleans—Cutler Mail Chute Co., J. T. Mann & Co., agent, 319 Dryades St., New Orleans, has mail chute contract for \$2,000,000 Pere Marquette store and office building; S. Scott Joy, Archt., 2001 Pershing St., Chicago, Ill.; Wm. E. Spink, Asso. Archt., 608 Canal-Commercial Bldg., New Orleans; Ferro Concrete Construction Co., Contr., Third and Elm Sts., Cincinnati, O.\*

Md., Frederick—Leo Weinberg remodel Law Bldg., Church St.; B. Edward Kepner, Archt.; Lloyd C. Culler, Contr.

Mo., St. Louis—Shaw State Bank, 1714 S. 39th St., erect \$40,000 bank and office building, 1501-03 S. Grand Blvd.; brick, 2 stories, 40x100 ft., tar and gravel roof, steam heat; Baum Architects, Archts., 713½ Chestnut St.; Ruehle & Behle, Contrs., 4285 Red Bud St.

Mo., St. Louis—O. J. McCawley, Pres., O. J. McCawley Real Estate Co., 615 Chestnut St., represents syndicate of physicians to erect \$650,000 Beaumont Medical Bldg., 3729 Washington Blvd.; 10 stories, first 2 floors stone, rough face brick above; stores on first floor, 40-bed hospital on second, offices above; LaBeaume & Klein, Archts., Compton Bldg.

Okla., Tulsa—Grinnell Heating Co., 616 Pioneer Trust Bldg., Kansas City, Mo., has steam heating contract for \$260,000 Court Arcade for Mrs. Cynthia Aaronson; electric work, Electrical Supply Co., 815 E. 3rd St.; plumbing, Eureka Plumbing Co.; both Tulsa; mill work, American Sash & Door Co.; reinforcing steel, E. C. Manqua Co., both Kansas City; A. M. Atkinson, Archt., Mid-Continent Bldg.; W. C. Roads, Engr., both Tulsa; Manhattan Construction Co., Contr., Manhattan Bldg., Muskogee.\*

Tenn., Johnson City—Security Investment Co., 260 E. Main St., let contract to M. L. Buder to remodel front and interior banking room; cost \$8000; furnishings, equipment, etc., \$2000; Colle & Cardwell, Archts.\*

Tex., Houston—Barber Plumbing Co., 906 San Jacinto St., has plumbing and heating contracts for \$2,000,000 Medical Arts Bldg. for K. E. Womack; Sanguiet, Staats, Hedrick & Gottlieb, Archts.; Don Hall, Contr., Cotton Exchange Bldg.\*

### Churches

Ala., Birmingham—Bethel Congregation, Ike Epstein, Chmn., Bldg. Comm., 1108 S. 28th St., let contract to Earl Cline, 1800 Sixth Ave., N., for \$150,000 synagogue, Highland Ave. and Beech St.; plumbing, vapor steam heating and ventilating system, Tully Plumbing & Heating Co., 1522 Third Ave., N.; wiring, Alabama Supply Co., 1918 Fourth Ave., N.; Romanesque type, buff brick, limestone and polychrome, terra cotta trim, 75x90-ft. main auditorium, seat 900; Chas. H. McCauley, Archt., Jackson Bldg.

Ala., Birmingham—Chichester & Co., Steiner Bldg., erect 12 dwellings, Red Ace subdivision; English type, brick veneer; total cost \$175,000.

Ala., Fairfield—Rev. W. R. Weaver interested in organizing Baptist Church; \$40,000 building under construction.

La., New Orleans—Holzer Sheet Metal Works, Inc., 317 Burgundy St., has sheet metal work contract for Holy Ghost Church; Diboll & Owen, Ltd., Archts., Interstate Bank Bldg.; H. W. Bond & Bro., Contrs., 1910 Constantinople St.\*

La., New Orleans—Moroney & Middleton, Carondelet Bldg., has plastering contract for \$60,000 St. Anthony of Padua R. C. Church; struct. steel, Lukens Steel Co., Poland and Rocheblave Sts.; steel joists, Truseen Steel Co., Carondelet Bldg.; tile work, Jos. Ariatti, 824 Carondelet St.; Wogan & Bernard, Archts., Title Guarantee Bldg.; O. M. Gwin Construction Co., Contr., Union Indemnity Bldg.\*

Md., Cumberland—St. Pauls Lutheran Church let contract for pipe organ to M. P. Moller, Inc., Hagerstown.

Miss., Tchula—Presbyterian Church let contract for \$10,000 pressed brick veneer building to Louis Dickens, Carthage.

Miss., Natchez—First Presbyterian Church let contract for \$10,000 organ to M. P. Moller, Inc., Hagerstown, Md.

N. C., Winston-Salem—Augsburg Lutheran

## BUILDING CONTRACTS AWARDED

### Association and Fraternal

La., New Orleans—Freeman-Barlow, Inc., 713 St. Charles St., has electric wiring contract at \$78,764 for \$2,225,000 Masonic Temple; Sam Stone, Jr., Archt., 714 Union St.; James Stewart & Co., Contrs., 408 Pine St., St. Louis, Mo., and 327 St. Charles St., N. O.\*

Okla., Okmulgee—Ancient Free and Accepted Masons, care W. M. Anderson, let contract for \$150,000 dormitory and sanitarium building to Campbell & Price, 603½ W. Main St.; 6 stories, accommodate 100, brick, stone and reinforced concrete, fireproof, oak floors and finish, steam heat; Hawk & Parr, Archts., Cotton Exchange Bldg., both Oklahoma City.\*

Tex., Houston—Brunner Lodge No. 745, I. O. O. F., erect \$18,000 brick veneer building, Brunner and Center Sts.; 2 stories, 50x76 feet; J. H. Burrow, Contr., 505 Bethje St.

### Bank and Office

Fla., Avon Park—Bennett Associates, Inc., erect building for mortgage finance company; F. H. Trimble, Archt., 117 N. Main St., Orlando.

Fla., Bradenton—American National Bank of Bradenton, Main and Washington Sts., improving building; T. W. Hullinger & Son, Contrs.

Fla., Fort Lauderdale—American-British Improvement Corp. erecting administration building; Howard Major, Archt., Palm Beach; E. F. Hoffman, Contr.

Fla., Hollywood—T. H. McEady & Son, Little River, has contract for \$200,000 arcade and office building, between Hollywood Blvd. and Tyler St.; Spanish type, fireproof, 3 stories, cast stone and steel; H. Dunlap Morrison, Archt., Miami; stone, Henry Albertini Co.; steel, L. Smith Steel Co., W. 15th St.,

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Church probably call for bids during Feb. for Gothic type building, Fifth St.; cost \$150,000; stone; Tilden & Crews, Archts., New York; stone from Ball Mountain Quarries, Inc., Lexington.

Tex., Lufkin—Baptist Church, Rev. J. R. Nutt, Pastor, let contract at \$71,500 to W. P. Berry for building.\*

### City and County

Fla., Miami—Otis Elevator Co. has elevator contract at \$182,000 for \$2,250,000 Dade County courthouse; plumbing at \$115,000 to W. C. Burns, both Atlanta, Ga.; electric work, Whitmore Electric Co., 1026 Guarrier St., Charleston, W. Va., \$87,000; A. Ten Eyck Brown, Archt., Forsyth Bldg., Atlanta, and Miami; August Geiger, Asso. Archt., Hippodrome Bldg.; L. W. Hancock, Contr., 684 N. W. Seventh St., Miami, and Louisville Trust Bldg., Louisville, Ky.

N. C., Winston-Salem—L. B. Brickenstein, Walnut St., has contract for repairs to plumbing system at Forsyth County jail, shower, water line, drinking fountains, etc.

### Dwellings

Ark., North Little Rock (Ind. Branch Little Rock)—H. O. Topf, care Twin City Bank, 201 Main St., erect 25 dwellings, Melrose addition; 5 to 7 rooms, frame or brick veneer, cost \$3000 to \$4000 each; 13 under constr.; Chas. M. Gribble, Contr., 2602 Galloway Pike.

Fla., Avon Park—Bennett Associates, Inc., erect number dwellings; F. H. Trimble, Archt., 117 N. Main St., Orlando.

Fla., Bradenton—R. P. Holland, Box 1448, erecting 20 dwellings, Whitfield Estate; cost \$15,000 each. (See Machinery Wanted—Building Material.)

Fla., Coral Gables (Branch Miami)—Marlon Building Corp. erect \$16,000 dwelling, 1333 Blue Rd.; R. E. Ware, Archt., 5343 N. W. Seventh St., Miami; Paul A. Jones, Inc., Contr.

Fla., Fort Myers—Palm City Construction & Realty Co., 24 E. Earnhardt Bldg., W. B. Graham, Pres., starting work on 100 dwellings; 5, 6 and 7 rooms; Guy P. Johnson, Pythian Bldg., and Walker & Deal, First and Broadway, Archts.; owner builds.

Fla., Jacksonville—W. A. Hutson, 2204 Pearl St., erect \$20,000 building, Avondale St.; 2 stories, tile; J. Prom, Contr.

Fla., Jacksonville—Stockton Broome, 340 W. Forsyth St., erect \$17,000 residence, Elizabeth St.; 2 stories, frame; J. L. Pender, Contr.

Fla., Jacksonville—S. S. Herschell erect \$15,000 residence, Margaret and Goodwin Sts.; 2 stories, brick; A. M. Crabtree, Contr.

Fla., Jacksonville—Max Brown erect \$12,000 residence, Post St. near Osceola St.; 2 stories, brick veneer; C. F. Seynard, Contr.

Fla., Jacksonville—Howard Properties, Inc., Geo. H. Howard, Oakdale Apts., erect 20 dwellings, Granada; total cost \$300,000 to \$400,000; first dwelling under way; Marsh & Saxelby, West Bldg., and Geo. O. Holmes, 135 E. Bay St., Archts.

Fla., Lake Wales—Howard Thullberg erecting \$12,000 to \$15,000 residence facing Lake Lorain.

Fla., Miami—P. J. Davis, Pres., J. J. Davis Construction Co., Calumet Bldg., erect \$100,000 residence, N. E. 88th St. and Third Ave.; 20 rooms, 3-car garage with 6 additional rooms; A. Robt. Chanale, Archt., Calumet Bldg.

Fla., Miami Beach—Flamingo Development Co. erect 12 Spanish type dwellings, opposite King Cole Hotel; 2 stories, 5 rooms, 2 baths; C. R. Clark, Archt., 1315 Eighteenth St.; Wm. F. Sheehan Organization, Contr., 1002 Fifth St.

Fla., Ormond—C. E. Campbell erecting residence, Ormond Shores.

Fla., Ormond—John D. Thompson, Rockefeller Heights, erect 3 dwellings, Ormond Shores; work started on 2; Spanish type.

Fla., Sarasota—Sarasota Homes, Inc., erect 12 dwellings; Dwight James Baum, Archt., Riverdale on Hudson, New York, and Sarasota; Riviera Construction Co., Contr.; owner to erect additional dwellings; plans by Mr. Baum.

Fla., St. Augustine—Cornsweet & Kahn, Contrs., have permit for 2 dwellings, Fullerwood; cost \$12,000 each.

Fla., Venice-Nokomis—Alfred E. Netto, Watertown, N. Y., erecting residence, Venice-by-Way.

Fla., West Palm Beach—Wm. Decamara started work on \$25,000 residence, Northshore Terrace.

Fla., Zolfo Springs—Frank H. Holden, Ludlow, Vt., erecting residence.

Fla., Zolfo Springs—H. C. Licht erecting 2 dwellings.

Fla., Zolfo Springs—Stewartson & Huff, Sebring, erecting 2 dwellings.

Fla., Zolfo Springs—Zolfo Springs Realty Corp. erecting number dwellings.

Ga., Albany—Dermot Shemwell Co. erect 25 frame, stucco and brick dwellings; 1 story; total cost about \$200,000; Bridges & Graves Co., Archt.-Contr., 237 N. Delaware St., Indianapolis, Ind.\*

Ga., Bainbridge—E. H. Griffin erect 2 dwellings; 1-story, stucco, metal roofs, interior tile, hardwood and concrete floors, ventilators, cost \$6000 each; W. H. Kwilecki, Archt.

Ga., Bainbridge—J. Kwilecki Sons, College St., erecting number stucco dwellings, College St.; W. H. Kwilecki, Archt., Broad St.; G. Faircloth, Contr.\*

La., New Orleans—Mrs. J. R. Blakeley, 4490 Franklin Ave., erect \$11,000 duplex, Franklin Ave. near Gentilly Blvd.; A. C. Williamson Co., Inc., Contr., Queen & Crescent Bldg.

La., New Orleans—E. L. Markel, 3838 Louisiana Avenue Pkwy., erect \$25,000 Spanish type stucco residence, Versailles Blvd. and Fontainebleau Drive; tile roof, hot air oil burner heating; also erect 4 additional dwellings; soon call for sub-bids on latter.

La., New Orleans—Victor Huber, 5055 Canal St., let contract at \$14,875 to A. Garrett, Canal-Commercial Bldg., for 2-story residence, Metairie Court; 40x50 ft., slate roof, tile baths, hardwood floors, steam heat; Sam Stone, Jr., Archt., 714 Union St.\*

Md., Baltimore—Casca T. Howland, 1803 Rosedale St., erect 4 frame dwellings, N. side Cleveland Ave. W. of Central Ave.; 1½ stories, 23x26 feet, steam heat; owner builds.

Md., Baltimore—Milburn Realty Co., 5201 Eastern Ave., erect 10 bungalows W. and E. sides 26th St. S. of O'Donnell St.; 1 story, 24x31 ft. and 24x26 ft., hot air heat; total cost about \$20,000; Chas. T. McClure, Archt., 4415 Pimlico Rd.; owner builds.\*

Md., Baltimore—Reed Realty Co., 506 St. Paul St., erect 5 frame bungalows, Merville Rd. near Rockwood Ave.; 1½ stories, 25x38 ft., steam heat; total cost \$20,000; R. A. Baer, Archt.-Contr.\*

Md., Baltimore—J. P. Lauber, Baltimore & Holiday Sts., erect \$17,000 brick residence and garage, N. Charles St. near Wendover Rd.; 2½ stories, 51x39 feet and 19x22 feet, slate roof, steam heat; Clyde N. Friz-Nelson Friz, Archts., Lexington Bldg.; Price Construction Co., Contr., Maryland Trust Bldg.\*

Md., Baltimore—Chas. C. Sanford, 11 E. Lexington St., erect 2 frame dwellings, Bellwood Ave. near Harford Rd.; 2 stories, 26x26 feet, slate roofs, steam heat; total cost about \$10,000; H. R. Mason, Archt., 8 E. Lexington St.; owner builds.

Md., Baltimore—Chas. H. Schnepfe, Jr., 2302 Reisterstown Rd., let contract to Edw. G. Turner, 2133 Maryland Ave., for \$31,500 stone and stucco residence; 2 stories and attic, slate roof, hollow tile, steel sash and trim, electric refrigerator, tile, concrete and hardwood floors; furnishings, equipment, etc.; Palmer, Willis & Lambdin, Archts., 513 N. Charles St.

Md., Baltimore—Cityco Realty Co., 7 St. Paul St., erect 2 cottages, 2200 block Stanwood Ave.; 2 stories, 26x30 ft., frame; total cost \$12,000; F. E. Beall, Archt., 306 St. Paul St.; owner builds.\*

Md., Baltimore—City Real Estate Co., 11 E. Fayette St., erect 8 dwellings, 4715-21 Hamilton Ave. and N. side Oak Ave. N. of Evesham Ave.; 1½ stories, 24x28 ft. and 26x31 ft., total cost \$22,000; Geo. Wessel, Archt., 2001 Lytleton Rd.; owner builds.\*

Md., Baltimore—Frank Novak Realty Co., Gunther Bldg., purchased 25-acre site, Eastern Ave. between 25th and 30th Sts.; erect number 2-story brick daylight dwellings; plans and construction by owner.

Md., Baltimore—W. R. Calloway, 3405 Duvall Ave., erect \$15,000 brick residence and garage, 3810 Fenchurch St.; 2½ stories, 40x27 ft. and 20x19 ft., slate roof, vapor heat; J. S. Downing, Archt.-Contr., 2609 Greenmount Ave.

Mo., Clayton (Ind. Branch St. Louis)—Gerling Realty & Building Co., 1508 Kienlen St., erect 4 brick dwellings, Quinmoor Estate; 24x30 ft.; total cost \$10,000; Wm. Rege, Archt., Granite City, Ill.; E. Amshanslin, Contr.

Mo., Kansas City—Daniel Boone, Jr., 3635

Campbell St., erecting Pennsylvania farmhouse type residence, 1248 Stratford Rd.; field stone and gray shingles; Edw. W. Tanner, Archt., 6410 Washington St.

Mo., Kansas City—J. C. Nichols, Meyer Blvd. and Ward Pkwy., erect \$65,000 brick Colonial residence; erect 5 additional Colonial dwellings.

Mo., St. Louis—J. Kramer, 2804 Gamble St., erect 4 brick dwellings, 6802-04-08-10 Morganford Rd.; 1 story, 26x41 ft., composition roofs, hot air heat; total cost \$22,000; plans and construction by owner.

Mo., St. Louis—F. Obert, 2845 Victor St., erect brick residence, 3943 Federer Place; 2 stories, 24x29 ft., composition shingle roof, furnace heat, cost about \$10,000; A. F. Stauder, Archt., 6032 Kingshighway; Kloster & Co., Contr., 5215 S. Grand Blvd.

Mo., St. Louis—Wheaton Realty Co., erect 7 brick dwellings, 2200-02-04-18-24-26-32 Alberta St.; 1 story, 24x36 ft., composition roofs, furnace heat; total cost \$21,000; Burns Construction Co., Contr., both 6424 Michigan St.

N. C., Greensboro—Wm. G. Caperton, 914 Magnolia St., erect \$20,000 residence, Meadowbrook Terrace; 2 stories, 8 rooms, frame, slate roof; Geo. W. Kane, Contr.

N. C., Winston-Salem—Jack Glenn, care R. J. Reynolds Tobacco Co., erect \$100,000 stone residence; stone from Ball Mountain quarries, Inc., Lexington.

N. C., Winston-Salem—Mrs. Peter Gorrell erect \$75,000 stone residence; stone from Ball Mountain Quarries, Inc., Lexington.

S. C., Anderson—Anderson Cotton Mills let contract to Townsend Lumber Co. for 30 operatives' cottages; electric lights, running water, sewerage; plumbing to Reed & Gailey Brothers Co.; electric work, Webb Electric Co.

Tenn., Memphis—Collier Bros. erect two 6-room brick veneer dwellings, 893-99 N. McNeil St.

Tenn., Memphis—Louis L. Diehl, 1663 Forrest St., reported erect several dwellings, East Drive and Trezevant St.

Tex., Dallas—Louis Brannin erecting residence, Circle Drive, Beckleywood; brick and stucco; Sadler & Russell, Archts.

Tex., Greenville—Rayford Clark erect 6-room residence, McDougal St.; 6 rooms; Lindsey & Kilmer, Archts.; Rutherford & Davenport, Contrs.

Tex., Gunter—Joe Harrison and W. C. Parker erecting residence.

Tex., Houston—F. H. Burkey erect 2 brick veneer duplexes, 1312-16 Bell Ave.; asbestos shingle roofs, 8 rooms, cost \$7000 each; owner builds.

Tex., Lubbock—Frank Meadow, care Hemphill-Price Co., erecting residence, 2206 Sixteenth St.; J. B. Maxey, Contr.

Tex., San Antonio—American Building Co., A. H. Cadwallader, Jr., Pres., 2003 W. Magnolia St., erecting number dwellings, Woodlawn Terrace addition and Woodlawn Place; plan 200 during year; total cost \$1,000,000; roofing by Meliff-McAllister Lumber Co., 628 Buena Vista St.

Tex., Sherman—Jake Weingarten erect brick residence, N. Wood St.; 2 stories; J. C. Thompson, Contr.

Tex., Waco—Mr. Rowland erect \$11,000 brick veneer residence, 1813 Colcord Ave.; 2 stories; G. C. Goodgion, Contr., 1124 N. 13th St.

Va.-Tenn., Bristol—Jos. Strauss, Bristol, Tenn., erecting 2 bungalows, Maryland Ave.; total cost \$9000; also \$3500 bungalow, McDowell St.

### Government and State

Ark., Prescott—Treasury Dept., Jas. A. Wetmore, Act. Supervising Archt., Washington, D. C., let contract at \$41,163 to W. D. Lovell, Eighth St., Minneapolis, Minn.; 1 story, about 3450 sq. ft. ground area, brick.\*

### Hospitals, Sanitariums, Etc.

La., New Orleans—Sisters of St. Joseph let contract to George J. Glover Co., Inc., Whitney Bldg., for 6-story and basement hospital, Apricot and Burdette Sts.; fireproof, reinforced concrete and steel, pile foundation, composition roof, tile, marble, terrazzo and wood floors, marble saddle base, shower walls, toilet stalls, marble and tile base, tile baths, hollow metal windows, tin clad doors, steel sash frames, galvanized metal lath, refrigeration and ice storage, slate blackboards, 2 electric passenger elevators, steam heating and ventilating system; Favrot & Livaudais, Ltd., Archts., Hibernia Bldg.; Contr. receiving sub-bids.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.



## Hotels and Apartments

Fla., Avon Park—Bennett Associates, Inc., Howard Bennett, Pres., erecting 150-room hotel, casino, railroad station, residences, etc., in connection with development at Highland Lakes; F. Trimble, Archt., 117 N. Main St., Orlando; L. C. Purdy, Constr. Engr.

Fla., Homosassa—Farnsworth & Phillips, Contrs., Homosassa and Crystal River, started work on 2 story, Spanish type, 18-apartment building.

Fla., Jacksonville—Times Corp., Francis S. Mason, Pres.; Major G. Heber Weller, Sec.-Treas., let contract to Realty Construction Co. of Delaware, Jacksonville, 135 N. E. Third Ave., Miami, and Hurt Bldg., Atlanta, for \$800,000, fireproof, Spanish type, steel, 14-story Park Lane Apartments, on Riverside water front at foot of Margaret St.; basement for storage, exterior of ivory colored finish trimmed with stone, Spanish tile roof, tiled baths, comprise 32 apartments, electric refrigeration, incinerators, electric ranges; D. Gutman, Engr., 221 W. 57th St., New York; Otis Elevator Co., elevators; Roy A. Benjamin, Archt., Bisbee Bldg.

Fla., Jacksonville—Lillian B. Tomlinson let contract to C. F. Seynard for two 2-story stone flats, Seminole Road; \$10,000.

Fla., Miami—Hickson Construction Co. erect \$48,000, 3-story, 12-family apartment house, S. W. 13th St.

Fla., St. Augustine—W. P. Thurston, Contr., Malaga St., contemplates erecting \$50,000 apartment house on Grove Ave.

Ga., Albany—A. E. Ittner Co., Contrs., erect \$100,000, 20-apartment house, Jefferson St.; steam heat, electric elevators, incinerators.

Mo., Maplewood (Br. of St. Louis)—A. Schwartzman, 1942 McCausland Ave., erect \$11,000, 2-story, 30x35 ft., brick flat, 7419 Elm St.; M. H. Finck, Archt.-Builder, 4219-A Margaretta Ave.

Mo., St. Louis—E. L. Rougly, 3844 Russell St., erect \$10,000, 2-story, brick, 34x50 ft. tenement, 3915 Blaine St.; tar and gravel roof, hot air heat; owner is Archt.-Builder.

Mo., St. Louis—Missouri Realty & Construction Co., 6117 Page St., erect six 2-story, brick tenements, 2611-5 and 2614-8 Burd St.; \$36,000, tar and gravel roofs, furnace heat; owner builds.

Mo., St. Louis—Pomeroy Construction Co., 215 Title Guaranty Bldg., erect \$14,000, 2-story, brick, 51x47 ft. tenement, 1515-19 McCausland St.; composition roof, furnace heat; O. J. Popp, Archt., Arcade Bldg.; owner builds.

Mo., St. Louis—O. J. Laudel, 5803 S. Kings-highway, erect three 2-story tenements, 3807-11 Fillmore St.; \$18,000; also two 2-story tenements, 4012-16 Dover St.; 24x42 ft., brick, asphalt shingle roofs, furnace heat; A. P. Rieser, Archt.-Builder, 5803 S. Kings-highway.

Mo., St. Louis—N. Liebowitz, 622 Chestnut St., let contract to J. M. Liebowitz, same, for \$11,000, 2 story, brick 42x47 ft. tenement, 1505-9 De Soto St.; tar and gravel roof, hot air heat; H. W. Guth, Archt., 813 Chestnut St.

Mo., St. Louis—H. Moellenhoff, 4960 Loughborough St., let contract to Stevens & Moellenhoff, 5423 S. Grand, for two 2 story, brick, 24x41 ft. tenements, 4950-2 Loughborough St., \$12,000; pitch and gravel roofs, hot air heat; C. E. Stevens, Archt., 5423 S. Grand.

Mo., St. Louis—O. J. Senn, 2623 January St., erect \$10,000 2 story, brick, 34x61 ft. tenement, 4459 Russell St.; composition roof, hot air heat; owner builds.

Mo., St. Louis—M. Wedle, 7510 Vermont St., erect two 2 story, brick, 25x42 ft. tenements, 5400-4 Alaska St.; composition shingle roofs, warm air heat; P. M. Reis, Archt.-Builder, 324 Hurck St.

N. C., Chimney Rock—Potter & Shackelford, Inc., Allen Bldg., Greenville, S. C., has contracts for 4-story, \$150,000 hotel, \$200,000, 2-story stores, bus terminal and dancing pavilion; semi-fireproof, tile walls, stucco, frame interior, floors of rift pine, tile, terrazzo, concrete and linoleum, dumb waiters, sprinklers, marble, concrete foundations; hotel have 50 rooms, 190x110 ft., tile roofing; tar and gravel roof on stores; Isothermal Hotel Co., owner of hotel and Chimney Rock Mountains, Inc., of stores, etc.; Robert R. McGoodwin, Archt., 1600 Walnut St., Philadelphia, Pa.\*

Tenn., Memphis—R. L. Shipp, 653 Adams St., let contract to M. E. Hagar, 647 Hillcrest St., for \$15,000, 10-room, brick, duplex apartment house, 503 Vance Ave.

Tenn., Memphis—S. P. Goldfarb, 628 Adams St., let contract to N. A. Sundholm, 2025

Young St., for two \$30,000, brick veneer apartment houses, two \$3000 garages, 129 and 137 N. Belvedere St.

Tex., Abilene—W. A. McBride erect \$25,000, 2-story, brick and reinforced concrete, 20-room apartment house by day labor.

Tex., Abilene—L. L. Babb and N. W. King erect \$20,000, 2-story, brick and reinforced concrete, 34x58-ft. apartment house by day labor.

Tex., Dallas—J. C. Albert, 4015 Main St., erect \$12,000, 18-room, brick veneer, 4-apartment building, 4034-6 Hawthorne St.; J. S. Eagle, Contr., 1719 N. Fitzhugh St.

Tex., Houston—E. T. Bradford, 4525 McKinney St., let contract to C. C. Rouse, 1718 Main St., at \$17,000, for 4-apartment building, Walker St.; east stone, floors of tile, concrete and hardwood.\*

Tex., Houston—Thomas G. Burrows, McKinney St., erecting \$12,000, 2-story, brick veneer 35.6x38 ft. apartment house, 3901 Dallas St.; hardwood floors, reinforced concrete foundation, asbestos slate roof; Poyser Electric Co., electric work; Rawlings Plumbing Co., 4708 Harrisburg St., plumbing; C. C. Rouse, Contr., 1511 Wough Drive.

Tex., Houston—Terminal Investment Co., John R. Crooker and R. C. Fulbright, both State National Bank Bldg., reported let contract to Southwestern Construction Co., West Bldg., at \$750,000 for 10-story Tuxan Hotel, Texas Ave. and Crawford St.; James Ruskin Bailey, Archt., 1606 Main St.\*

Tex., Panhandle—C. B. Bownes let contract to W. P. Cooper, Amarillo, for \$30,000; 2-story, brick hotel.

Tex., Plainview—H. H. Tilson let contract to E. L. Dennis for erecting apartment house on Seventh and Denver Sts.; also 50x130 ft., 1 story, brick building on Ash St. for automobile agency.

Va., Lexington—Robert E. Lee Hotel Corp., Edwin P. Conquest, Pres., American National Bank Bldg., Richmond, started work on \$250,000, 6-story, brick and concrete, 88x119 ft., fireproof hotel and stores, Main St.; composition and tile roof, concrete, wood, tile and terrazzo floors, concrete foundation, hollow and interior tile, metal doors, wire glass, electric refrigerators, dumb waiters, ventilators, marble, limestone, terra cotta trim; equipment and furnishings cost \$50,000; Marcellus E. Wright, Archt.; Wise Granite & Construction Co., Contrs., both American National Bank Bldg., Richmond.\*

Va., South Boston—Carrington Waddell Syndicate reported let contract to J. R. Jones & Conquest Co., Inc., American National Bank Bldg., Richmond, for \$150,000, 75-room, brick hotel, Main and Broad Sts., to replace burned Garland Hotel; stores on first floor.\*

## Miscellaneous

Fla., Avon Park—Bennett Associates, Inc. (See Contracts Awarded—Hotels and Apartments.)

Fla., Fort Lauderdale—Col. J. M. Wright, Floranada Club, directing construction of administration building and Floranada Inn, in connection with development; Howard Major, Archt., Palm Beach; E. F. Hoffman, Contr., Palm Beach.\*

Fla., Miami—Miami Athletic Club Board of Directors, S. M. Tatum, Pres., 184 S. E. 14th St.; L. D. Llewellyn, First Vice-Pres., 1030 N. Miami Ave., reported let contract to George A. Fuller Co., Daily News Bldg., Miami, and 949 Broadway, New York, for \$1,000,000 club building, Bayshore Drive and N. E. Third St.; John Ebersson, Archt., 212 E. Superior St., Chicago, Ill.\*

Tenn., Memphis—Chickasaw Golf Club, Russell Martin, Chmn., Galloway Extension, started work on building to connect 2 present structures, which will be reconstructed and remodeled; E. L. Harrison, Archt., Fidelity Bank Bldg.

## Railway Stations, Sheds, Etc.

Fla., Avon Park—Bennett Associates, Inc. (See Contracts Awarded—Hotels and Apartments.)

N. C., Greensboro—Southern Railway Co., Henry W. Miller, Vice-Pres., Washington, D. C., let contract to Consolidated Engineering Co., 20 E. Franklin St., Baltimore, Md., for erection of passenger station; Fellheimer & Wagner, Archts., 155 E. 42nd St., New York.\*

## Schools

Fla., Miami—Dade County Board of Public Instruction, Box 2012, recently let contract to Ward & Ward, 1548 N. Bayshore Drive, at \$142,453, for 2-story, cement block and stucco, 150x150-ft. Miramar Grammar School,

N. E. 19th St.; concrete and hardwood floors, steel sash and trim; G. E. Mayer, Archt., Box 4096. (See Machinery Wanted—Electric Work; Plumbing; Plastering; Painting; Roofing; Millwork.)\*

Fla., Miami—Dade County Board of Public Instruction, Box 2012, erecting 150 one-room, 20x32-ft. portable schoolhouses; cement foundations, wood floors, asbestos roofing; half complete; F. G. Pendergast, Contr., 3710 N. W. 13th Ave.\*

Ga., Milledgeville—Building committee of City Council, L. H. Andrews, Chmn., let contract to J. B. Chafin, Washington, at \$26,550, for grammar school building at Georgia Military College.\*

Mo., St. Louis—St. Louis University excavating for \$300,000, 3-story, reinforced concrete and structural steel, 140x208 ft. gymnasium building, 3678-82 W. Pine Blvd.; wood and terrazzo floors, concrete foundation, gypsum and composition roof; O'Meara & Hills, Archts., 1263 Arcade Bldg.; Schuett-Meier Co., Engr., St. Paul, Minn.; C. W. Schuler & Co., Contrs., 2838-42 Texas Ave.\*

S. C., Greenville—Judson Mills, Brown Mahon, Vice-Pres., erecting \$25,000, 2-story and basement, brick school building; tar and gravel roof, brick foundation; H. H. Martin, Archt., Vickers-Cauble Bldg.; Hayes & Jenkins, Contr.\*

Tenn., McKenzie—Bethel College started work on building to be used as clubhouse by seniors and museum.

Tex., La Feria—Board of Education let contract to Homer L. Fitch, Brownsville, at \$39,593, for 8-room and auditorium junior high school and 4-room ward school; Stebbins & Waters, Archts., Weslaco.\*

## Stores

Ark., Marianna—W. S. McClintock let contract to Jennings & Samuel for 2-story, brick building, Main and Poplar Sts.; basement contain heating plant, barber shop and cafe, ground floor for Bank of Commerce or store, second floor offices.\*

Ark., Pine Bluff—H. B. Mitchell let contract to J. L. Minoret, 1816 Cedar St., for brick building, 15th and Cherry Sts., to be occupied by bakery and barber shop.

Fla., Dundee—Florida Realty Co. of Dundee, Inc., Main St., erecting \$15,000, 2-story, brick, 60x190-ft. stores and apartment building, Main St.; composition roof, concrete, tile and linoleum floors, hollow tile, steel sash and trim, ventilators, equipment and furnishings cost \$5000; Clyde Garrison, Engr., Center St.; W. P. Foust, Contr., First St.\*

Fla., Hollywood—Morris Singer erecting \$10,000, 1-story, 50x80-ft. store building on West Blvd., Little Ranches.

Fla., Miami—A. J. Fay, 1402 S. Bayshore Drive, owner of Puritan Building, S. E. Second St. and S. Miami Ave., let contract to Charles S. Ewing Co., Bedford Bldg., for remodeling, including 4 additional stores facing Second St., 5 on Miami Ave., plate glass windows on second floor; Dudley St. C. Donnelly, Archt., 2666 S. W. Eighth St.

Fla., Miami—J. N. Cohen let contract to R. B. Burdett for 11 stores, S. W. 17th Ave. and Eighth St.

Fla., Sarasota—Scott B. Appelby, Washington and Sarasota, let contract to Echols Construction Co. for 7 stores on Citrus Ave.; \$30,000; concrete tile, Spanish stucco finish; Mr. Appleby also interested in 10 stores being erected at N. W. cor. Main St. and Orange Ave. by same Contrs.

Fla., Sebring—G. V. Hudson and J. C. Barrow erecting Circle Building, contain store and apartments.

Fla., St. Augustine—Flitts Corp. let contract to Cornsweet & Kahn for \$16,500 store and apartment building for W. Pincus.

Fla., Tampa—H. S. Delcher, Michigan and Florida Aves., let contract to Logan Brothers, Citizens Bank Bldg., for \$60,000 store building, Florida and Michigan Aves.

Fla., Winter Haven—First National Bank of Winter Haven let contract to J. W. Mann, Tampa, for erecting store and office building; Francis J. Kennard & Son, Archts., Newport & Bay Shore Blvd., Tampa.

Miss., Pickens—Dr. C. H. Ingram let contract to Louie Dickens, Carthage, for pressed brick drug store building; plate glass front, finished inside with Textone.

Mo., Jefferson City—Louis G. Schell, Contr., purchased lot on Jefferson St.; plans to build 2-story store and apartment building.

Mo., Poplar Bluff—Sparkman & Vanderpool have contract to rebuild Albert Potts building, Benton St.

Mo., Springfield—William Reps, 739 E. Walnut St., let contract to Will W. Johnson,

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Phelps Grove, for \$20,000 building, N. E. cor. Campbell and Elm Sts.

Mo., St. Louis—J. F. Ruth, 4249 Easton St., let contract to Hall-Mackay Construction Co., 414 Dolph St., for alterations to 2-story mercantile building, 1222 Chateau St.; \$12,000; plans by owner.

Mo., St. Louis—E. Zimmerman, 3528 Herbert St., let contract to J. Charles Mueller & Son, same, for \$10,000, 2 story, brick, 37x51 ft. store and dwelling, 4932 N. Union St.; tar and gravel roof, hot water heat; Nolte & Nauman, Archts., 615 Fullerton Bldg.

N. C., Greensboro—W. L. McNair, E. Market St., let contract to J. S. Burge for \$10,000, 2-story, brick store and apartment building, E. Market and Macon Sts.

S. C., Anderson—J. D. Brown remodeling store and office building at N. Main and W. Benson St.; \$15,000; W. W. Betsworth, Archt.; W. T. Brissey Lumber Co., Contrs.; all materials purchased.\*

Tenn., Memphis—Estes-Williams Construction Co., Cotton Exchange Bldg., has permit for \$25,000, brick stores and warehouse, 104-12 S. Second St.

Tex., Beeville—A. Praeger erecting 35x50 ft. business building on Washington St.; Homer Botts, Contr.

Tex., Dallas—William B. Stampes, 1905 Second Ave., let contract to Bono & Barnes

Co., 1616 Nettle St., for \$12,000, brick, stone and frame store and residence.

Tex., Goose Creek—L. L. Huie, Contr. (See Contracts Awarded—Theaters.)

Tex., Pharr—T. W. Doster, Birmingham, Ala., started work on 40x50-ft. business building.

Tex., Sherman—Simmons & Capleman Contrs., started work on 38x43-ft., brick and concrete, 2-story addition to rear of C. A. Kelly building, 100 block S. Travis St.

Tex., Wichita Falls—M. J. Bashara, City Natl. Bank Bldg., let contract to Taylor Brothers, 302 Oak St., at \$20,000, for 3-story, 50x50-ft., slow-burning construction store building; cement and wood floors, concrete foundation, Barrett roof, hollow tile, metal doors, steel sash and trim, wire glass; J. M. Schaefer, Archt., 622 Staley Bldg.

Va., Winchester—Nathanson Co. leased store room on N. Main St.; improving; include new front, 120-ft. extension.

### Theaters

Fla., Eau Gallie—A. E. Vancroix started work on theater building, to seat 1000 in orchestra and balcony.

Fla., Punta Gorda—Johnson & Chidister recently let contract to Peninsular Engineering & Construction Co., at \$40,000, for 1

story, fireproof, stucco on hollow tile, 58x82 ft. theater; metal ceilings, tile roof, wood, tile and concrete floors, concrete foundation, ventilators, terra cotta trim. (See Machinery Wanted—Steel Trusses).\*

Tex., Goose Creek—L. L. Huie, Contr., started work on \$150,000, 225x100-ft., brick building on Texas Ave.; include theater; seat 600, with lighting effects, heating and ventilating systems, to be operated by Goose Creek Amusement Corp.; store of T. L. Cupepper Furniture Co.; 2 stores to be owned by W. E. Kerr and L. L. Huie; also 50x103-ft. automobile and display room by N. D. Stiles.

Tenn., Memphis—L. A. Shead, Mgr., Loew's Palace Theater, started work on new stage and remodeling, to cost \$100,000; Rudolph Wurlizer Mfg. Co., North Tonawanda, N. Y., will install \$50,000 organ; R. E. Hall Co., 485 Fifth Ave., New York, Archts. and Engrs. in charge.

### Warehouses

Fla., Miami—Miami Electric Light & Power Co. erect \$15,000, reinforced cement warehouse, N. W. Seventh St.; design and construction by Phoenix Utility Co., 139 S. W. Fourth St.

Mo., Kansas City—Kansas City Hay Press Co., foot of Fourth St. viaduct, started work on 1-story, concrete, 80x180-ft. warehouse.

## MACHINERY, PROPOSALS AND SUPPLIES WANTED

**Adding Machine.**—Warren County Supra, J. G. Sherard, Clerk, Vicksburg, Miss. —Receives bids March 2 for one adding machine.

**Air Compressor.**—Contractor, Room 330 Arcade Bldg., 1947 Broadway, New York City—Wants steam air compressor, compound high pressure, 1800 to 2100 cu. ft., second-hand.

**Air Filter.**—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids March 2 to furnish one air filter, delivery Parris Island (Port Royal), S. C. Sch. 419.

**Art Glass.**—Rev. A. B. Jackson, 418 Madison St., Jefferson City Mo.—Wants prices on art glass for \$75,000 church.

**Asbestos Covering, etc.**—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids March 2 to furnish material and labor to replace asbestos covering on smoke breaching at Marine Barracks, Paris Island, S. C. Sch. 428.

**Boiler.**—Carolina Veneer Co., Inc., L. R. Smith, Mgr., Orangeburg, S. C.—Wants prices on 150 h. p. boiler, 150 lbs. steam pressure, return tubular; second-hand equipment.

**Boilers.**—Clarence Cosby, Richmond, Va.—Wants two 200 h. p. return tubular boilers.

**Boiler.**—R. P. Johnson (Mchy. Dealer), Wytheville, Va.—Wants one 16 ft.x60 in. full front return tubular boiler, to stand Hartford inspection for 125 lbs. pressure.

**Boiler Compound.**—Navy Dept., Bureau of Supplies and Accounts, Washington, D. C.—Receives bids Feb. 16 to deliver boiler compound to navy yard, Charleston, S. C.

**Bottles.**—T. Atlee Penn Co., Mt. Vernon, Ohio.—Wants data and prices on full line bottles; correspond with manufacturers in the South.

**Bridge.**—Alabama.—State Highway Comm., Montgomery. See Construction News—Roads, Streets and Paving.

**Bridge.**—See Construction News—Bridges, Culverts and Viaducts.

**Bridge.**—State Highway Comm., Charleston, W. Va., will build 8 bridges. See Construction News—Bridges, Culverts and Viaducts.

**Bridge.**—Hattiesburg, Miss. See Construction News—Bridges, Culverts, Viaducts.

**Bridges.**—State Road Dept., Tallahassee, Fla. See Construction News—Bridges, Culverts and Viaducts.

**Bridge.**—State Highway Comsn., Austin, Tex. See Construction News—Roads, Streets and Paving.

**Bridge.**—Louisiana Highway Comsn., Baton Rouge. See Construction News—Bridges, Culverts and Viaducts.

**Bridge.**—State Highway Comsn., Austin, Tex. See Construction News—Bridges, Culverts and Viaducts.

**Bridge-Lifting Equipment.**—Cooper River Ferry Comsn. of Charleston County, Charleston, S. C.—Receives bids Mar. 31 for bridge-lifting equipment to be installed on new double-deck ferry terminal; Dawson Engi-

neering Co., Inc., Engr., 21 Broad St., Charleston.

**Building Material.**—H. G. Balthasar, Palm City Construction & Realty Co., 24 Earnhardt Bldg., Fort Myers, Fla.—Wants all classes of materials for use in development of 30-acre subdivision, including installation of water works, sewers, streets and erection of 100 homes.

**Building Material.**—R. P. Holland, Box 1448, Bradenton, Fla.—Wants prices on all kinds building material for twenty \$15,000 dwellings.

**Building Materials.**—Ginn Floral Co., 322 N. Court St., Florence, Ala.—Wants prices on glass, 16x24 in., double strength; rafters; gutters; pecky and clear cypress; pipe connections.

**Building Material.**—George A. Fuller Co., 949 Broadway, New York, and Daily News Bldg., Miami—Will receive lump sum bids for furnishing structural steel, reinforcing steel, ornamental terra cotta, limestone, millwork and finish, hollow metal windows and doors and furnishing and installing plate glass, marble and tile, for \$1,250,000, 14 story, 350-guest room, George Washington Hotel, Jacksonville; plans on file at Washington, Jacksonville and New York offices.

**Cable.**—Contractor, Room 330 Arcade Bldg., 1947 Broadway, New York City.—Wants two pieces of 2½ or 2½ diam. cable, used or surplus stock; two pieces of 1½ or 1½ diam. cable, long lengths.

**Cement (Keene).**—Davenport Lumber & Supply Co., Davenport Terminals, Davenport, Fla.—Wants data and prices on Keene cement.

**Church Furnishings, etc.**—Rev. A. B. Jackson, 418 Madison St., Jefferson City, Mo.—Wants prices on equipment and fixtures for \$75,000 church.

**Cement Tile.**—See Concrete Products Machinery.

**Channelers.**—See Stone Working Machinery.

**Concrete Block Machinery.**—See Concrete Products Machinery.

**Concrete Reservoir.**—See Water Works.

**Concrete Products Machinery.**—W. C. Rhoades, Indian River Heights Co., Delray, Fla.—Wants machinery for making cement blocks and tile for building.

**Condenser.**—See Turbine.

**Cone Drill.**—See Stone Working Machinery.

**Cotton Compress.**—Lawrence McRae Greensboro, N. C.—Wants used cotton compress.

**Cotton Mill Machinery.**—Elberton Cotton Mills, Elberton, Ga.—Wants to purchase one second-hand 60 spindle Lowell Slubber, in good condition; also interested in purchasing 2000 No. 2 Draper spindles complete with base and bolster.

**Crusher.**—R. P. Johnson (Mchy. Dealer), Wytheville, Va.—Wants one No. 4½ Champion crusher, on skids preferred, with elevator and screen.

**Covered Walks.**—U. S. Veterans' Bureau,

Room 701 Arlington Bldg., Washington, D. C.—Receives bids March 16 to construct complete covered walks at U. S. Veterans' Hospital, No. 100, Camp Custer, Mich.; work includes reinforced concrete construction, hollow tile, brick work, cast concrete stone, slate roofing, metal lathing, plastering, stucco, carpentry, hardware, painting, glazing and electrical work.

**Culverts.**—Daytona Beach, Fla. See Construction News—Roads, Streets and Paving.

**Drag Saw.**—Carolina Veneer Co., Inc., L. R. Smith, Mgr., Orangeburg, S. C.—Wants prices on one drag saw.

**Dumb Waiters.**—George A. Fuller Co., Daily News Bldg., Miami, Fla.—Will receive sub-contract bids on dumb waiters for \$1,250,000 George Washington Hotel, Jacksonville, Fla.

**Electrical Appliances and Fixtures.**—LaFayette Electric Co., Inc., 415 Hay St., Fayetteville, N. C.—Wants prices on electrical appliances and fixtures.

**Electrical Merchandise.**—LaFayette Electric Co., Inc., 415 Hay St., Fayetteville, N. C.—Wants prices on electrical merchandise.

**Electric Meters.**—See Generator Set.

**Electric Work.**—Ward & Ward, Contrs., 1548 N. Bayshore Drive, Miami, Fla.—Wants sub-contract bids on electric work on \$142,453 school building.

**Electrical Work.**—George A. Fuller Co., Daily News Bldg., Miami, Fla.—Will receive sub-contract bids for electrical work on \$1,250,000 George Washington Hotel, Jacksonville, Fla.

**Elevators.**—George A. Fuller Co., Daily News Bldg., Miami, Fla.—Will receive sub-contract bids on elevators for \$1,250,000 George Washington Hotel, Jacksonville, Fla.

**Elevator.**—U. S. Engineering Office, 1068 Navy Dept. Bldg., Washington, D. C.—Receives bids March 1 for furnishing, installing and testing electric freight elevator for water supply project for District of Columbia.

**Elevator.**—Carolina Veneer Co., Inc., L. R. Smith, Mgr., Orangeburg, S. C.—Wants prices on one lift for raising truck of veneer from floor to car door.

**Engine.**—See Generator Set.

**Engine (Crude Oil).**—See Generator Set.

**Engines.**—Tampa Memorial Park, Inc., 207 Realty Bldg., Tampa, Fla.—Wants engines for cemetery development.

**Engine (Corliss).**—See Generator Set.

**Feather Pillows.**—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids Feb. 23 to furnish 3000 feather pillows.

**Fencing (Iron).**—Tampa Memorial Park, Inc., 207 Realty Bldg., Tampa, Fla.—Wants iron fencing for cemetery development.

**Fire Fighting Equipment.**—H. F. Jones, City Supt., Winona, Miss.—Receives bids March 2 to deliver and erect complete 1000 gal. combination electric motor and gasoline engine driven fire pump complete with

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.



all auxiliary equipment; one 750 gal. motor driven fire pump and one 25 gal. motor driven service pump; equipment installed complete, including necessary wiring and pipe valves and fittings.

**Flour Mill Equipment.**—Southwestern Engineering Co., Woodruff Bldg., Springfield, Mo., opens bids March 1 for complete mill equipment for Harvest Queen Mills, Plainview, Tex.

**Flour Mill Equipment.**—R. P. Johnson, (Machy. Dealer), Wytheville, Va.—Wants one second-hand, 25 bbl. capacity flour mill outfit.

**Forges.**—F. M. Jacob, College St., Columbus, Miss.—Wants price on forges for foundry and machine shop.

**Foundry and Machine-Shop Equipment.**—F. M. Jacob, College St., Columbus, Miss.—Wants prices on foundry and machine-shop equipment.

**Furnishings, etc.**—Sam Goldman, Smackover, Ark.—Wants prices on equipment, etc., for 2-story \$25,000 building for Masonic lodgeroom, offices and 2 stores; cost \$5000.

**Furniture Making Machinery.**—See Woodworking Machinery.

**Generator Set.**—Wilson-Hock (Mchy. Dealer), City Point, Va.—Wants 100 to 125 kw., 220 volt, direct current generator, directly connected to suitable slide valve or Corliss engine.

**Generator Set.**—The Antietam Electric Light & Power Co., R. S. Graves, Boonsboro, Md.—Wants water wheel, including generator, switchboard, etc.; also distributing system, poles, electric meters, etc.

**Generator Set.**—A. H. Thompson, Patterson, La.—Wants one second-hand Fairbanks-Morse crude oil engine and generator and switchboard from 75 to 100 kw. alternating current; quote delivered prices.

**Generator Set.**—Equitable Equipment Co., Inc., New Orleans, La.—Wants first-class electric generating unit, 250 kw., 80 per cent P. F., 3 phase, 60 cycle, 2300 volt either Uniflow or Modern 4 valve engine complete with exciter, rheostats, switchboard; first-class condition.

**Glass.**—See Building Material.

**Gravel.**—Louisiana Highway Comsn., Baton Rouge, receives bids February 23 to furnish gravel to surface State Project 529—B. W. V. Robert, State Highway Engr.

**Gravel.**—Clarksville, Tex. See Construction News—Roads, Streets and Paving.

**Gravel.**—Louisiana Highway Com., Baton Rouge. See Construction News—Roads, Streets and Paving.

**Gutters and Spouting.**—See Building Material.

**Gymnasium Equipment.**—Rev. A. B. Jackson, 418 Madison St., Jefferson City Mo.—Wants prices on gymnasium equipment for \$75,000 church.

**Heater (Feed Water).**—Contractor, Room 330 Arcade Bldg., 1947 Broadway, New York City—Wants feed water heater with 6-in. inlet, second-hand equipment.

**Heating.**—George A. Fuller Co., Daily News Bldg., Miami, Fla.—Will receive sub-contract bids for heating \$1,250,000 George Washington Hotel, Jacksonville, Fla.

**Heating Plant.**—Rev. A. B. Jackson, 417 Madison St., Jefferson City, Mo.—Wants prices on gymnasium equipment for \$75,000 church.

**Holst.**—R. C. Jones, Contr., 1902 S. Cumberland St., Vernon, Tex.—Wants medium-size holst.

**Holsts.**—Contractor, Room 330 Arcade Bldg., 1947 Broadway, New York City.—Wants two 10x12 or larger D. C. tandem drum friction and reversible link holsts, steam, large drums; Flory Mfg. Co. make only.

**Holst (Electric).**—R. S. Armstrong & Bro. Co. (Mchy. Dealer), 676 Marietta St., Atlanta, Ga.—Wants 75 or 90 h.p. 3 drum electric holst.

**Hospital Supplies.**—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids Feb. 23 for hospital supplies.

**Hydraulic Jacks.**—H. P. Carter, 143 Katherine Court, San Antonio, Tex.—Wants to correspond with manufacturers of hydraulic jacks.

**Ice Water System.**—J. C. Scherf, V. Pres.-Treas., The Andala Co., Andalusia, Ala.—Wants prices on ice water system for 3-story and basement textile mill.

**Iron Castings.**—See Sewer Material and Equipment.

**Iron Castings.**—Atlantic Machine Works, Inc., 123 W. Twenty-fifth St., Norfolk, Va.—Wants to correspond with manufacturers of malleable iron castings, either in Baltimore or further South.

**Iron Posts.**—Edgar Read, City Clerk, Charlotte, N. C.—Receives bids Feb. 24 for iron posts made from angle iron, 4x4 in. by 3 ft. 8 in. x 8 ft. 6 in. long; quotations f. o. b. Charlotte or f. o. b. factory with rate and weight given; prices desired on 500, 1000, 1500 and 2000.

**Knife (Heavy, Power).**—Petersburg Luggage Co., Inc., Petersburg, Va.—Wants heavy power knife suitable for cutting strawboard.

**Lamp Posts, etc.**—District Commrs., Room 509 Dist Bldg., Washington, D. C.—Receives bids Feb. 24 to furnish and deliver cast iron lamp posts and accessories for fire alarm and police patrol service.

**Lathe (Veneer).**—Sabel & Rothschild, 930 W. Bay St., Jacksonville, Fla.—Wants veneer lathe with attachments.

**Lathe.**—Williamson Stump Puller Co., Cordele, Ga.—Wants one used lathe with 30 to 36 in. swing and about 12 ft. bed; good working condition.

**Lighting Fixtures.**—Rev. A. B. Jackson, 418 Madison St., Jefferson City, Mo.—Wants prices on lighting fixtures and equipment for \$75,000 church.

**Lightning Rods.**—Geo. Kittrell, Box 398, Goldsboro, N. C.—Wants data and prices on lightning rods; correspond with manufacturers.

**Lockers.**—Rev. A. B. Jackson, 418 Madison St., Jefferson City, Mo.—Wants prices on lockers for gymnasium.

**Lodge Furnishings, etc.**—H. M. Macleary, Sec., Suffolk Lodge of Elks, Suffolk, Va.—Wants prices on equipment, etc., for \$40,000 lodge building, cost \$5000.

**Lodge Furnishings, etc.**—Dr. M. C. Schoolar, 1207 Tuscaloosa Ave. N. E., Birmingham, Ala.—Wants prices on furnishings, equipment for \$80,000 Masonic Temple.

**Lumber (Pecy and Clear Cypress).**—See Building Materials.

**Machine Tools.**—See Foundry and Machine Shop Equipment.

**Metal Windows and Doors.**—See Building Material.

**Millwork.**—See Building Material.

**Motors.**—See Water Works.

**Motors.**—F. M. Jacob, College St., Columbus, Miss.—Wants prices on motors for foundry and machine shop.

**Motors.**—Wilson-Hock Co. (Mchy. Dealer), City Point, Va.—Wants 10 h. p., 3-phase, 60 cycle, 550-volt slip-ring motor, 600 to 1200 rpm, with starting equipment; 25 to 30 h. p., 3-phase, 60-cycle, 220-volt, 900 to 1200 rpm, with starting equipment; one 75 h. p., 2-phase, 60-cycle, 440-volt, slip-ring motor with starting equipment; one 40 h. p., 220-volt direct current motor.

**Millwork.**—Ward & Ward, Contrs., 1548 N. Bayshore Drive, Miami, Fla.—Wants sub-contract bids on millwork for \$142,453 school building.

**Mop Wringers, etc.**—U. S. Veterans Supply Division, Washington, D. C.—Receives bids Feb. 19 for 15 mop wringers, Lawler No. 6 Twin Janitor's Special or equal, and 2 mop trucks.

**Oil-Well Casing.**—Milton Oil Co., A. H. Woodfin, Cisco, Tex.—Wants bids on both new and second-hand pipe, as follows: 20-in. casing, 15 1/4-in. casing, 12 1/2-in. casing, 10-in. casing, 8-in. casing, 6 1/2-in. casing, 5 3/16-in. casing, 4 1/4-in. casing and 2-in. long collar; 1200 lbs. test line pipe, also 250, 500 and 1000 bbl. knockdown steel tanks and fittings.

**Ornamental Terra Cotta.**—See Building Material.

**Package Machines, etc.**—National Capital Laboratories, Inc., 3205 K St. N. W., Washington, D. C.—Wants automatic power-driven package machines, etc.

**Paint.**—Wilson-Hock Co. (Mchy. Dealer), City Point, Va.—Wants asphalt or asbestos roofing paint suitable for use on composition roofs; also graphite or asphalt paint suitable for use on corrugated iron building.

**Painting.**—Ward & Ward, Contrs., 1548 N. Bayshore Drive, Miami, Fla.—Wants sub-contract bids on painting \$142,453 school building.

**Painting.**—U. S. Custom House, Joseph L. Cupper, Custodian, Norfolk Va.—Receives bids February 24 for interior painting.

**Painting.**—U. S. Custom House, Jos. L. Crupper, Custodian, Norfolk, Va.—Receives bids Feb. 24 for interior painting.

**Paving.**—Columbus Miss.—See Construction News—Roads, Streets and Paving.

**Paving.**—Fla., Vero Beach. See Construction News—Roads, Streets, Paving.

**Paving.**—Eagle Lake, Tex. See Construction News—Roads, Streets and Paving.

**Paving.**—St. Louis, Mo. See Construction News—Roads, Streets and Paving.

**Pier.**—Cooper River Ferry Comsn. of Charleston County, Charleston, S. C.—Receives bids March 1 for double-deck pier; work consists of furnishing, delivering and erecting all material and machinery necessary for construction of double-deck ferry terminal, 40x110 ft., having creosoted sub-structure, untreated long leaf pine super-structure and necessary fenders and dolphins of untreated long leaf pine; Dawson Engineering Co., Engr., 21 Broad St., Charleston.

**Pipe.**—See Oil-Well Casing.

**Pipe.**—See Water Works.

**Pipe.**—See Building Materials.

**Pipe (Vitrified Sewer).**—See Sewers.

**Pipe (Reinforced Concrete).**—See Sewers.

**Plastering.**—Ward & Ward, Contrs., 1548 N. Bayshore Drive, Miami, Fla.—Wants sub-contract bids on plastering \$142,453 school building.

**Plate Glass.**—See Building Material.

**Plumbing.**—George A. Fuller Co., Daily News Bldg., Miami, Fla.—Will receive sub-contract bids for plumbing \$1,250,000 George Washington Hotel, Jacksonville, Fla.

**Plumbing.**—Rev. A. B. Jackson, 418 Madison St., Jefferson City, Mo.—Wants prices on plumbing fixtures and equipment for \$75,000 church.

**Poles.**—See Generator Set.

**Portland Cement.**—U. S. Engineer Office, Box 72, Louisville, Ky.—Receives bids Mar. 9 to furnish and deliver approximately 110,000 bbls. Portland cement.

**Pump.**—Alex. M. Robinson, Georgetown, Ky.—Wants prices on one used wet vacuum pump, steam driven, about 6x8x10 in.; good working condition.

**Pumps.**—See Fire Fighting Equipment.

**Pumps.**—See Water Works.

**Pumps.**—Tampa Memorial Park, Inc., 207 Realty Bldg., Tampa, Fla.—Wants pumps for cemetery development.

**Radio.**—LaFayette Electric Co., Inc., 415 Hay St., Fayetteville, N. C.—Wants prices on radio supplies, sets, etc.

**Refrigerating Machine.**—Wilson-Hock Co. (Mchy. Dealer), City Point, Va.—Wants 1 to 1 1/2-ton motor driven refrigerating machine, suitable for installation with two medium size hotel ice boxes; or complete slightly used unit will be considered.

**Road.**—Dallas, Tex. See Construction News—Roads, Streets and Paving.

**Road.**—Alabama, State Highway Comn., Montgomery.—See Construction News—Roads, Streets and Paving.

**Road.**—Quitman, Miss. See Construction News—Roads, Streets and Paving.

**Road.**—State Highway Comn., Charleston, W. Va., will build 15 roads. See Construction News—Roads, Streets and Paving.

**Road.**—Waxahachie, Tex. See Construction News—Roads, Streets and Paving.

**Road.**—Napoleonville, La. See Construction News—Roads, Streets and Paving.

**Road.**—Fitzgerald, Ga. See Construction News—Roads, Streets and Paving.

**Road.**—Baton Rouge, La. See Construction News—Roads, Streets and Paving.

**Road.**—Anderson, S. C. See Construction News—Roads, Streets and Paving.

**Road.**—York, S. C. See Construction News—Roads, Streets and Paving.

**Road.**—Deland, Fla. See Construction News—Roads, Streets and Paving.

**Road.**—Louisiana Highway Com., Baton Rouge. See Construction News—Roads, Streets and Paving.

**Road.**—State Highway Dept., Columbia, S. C. See Construction News—Roads, Streets and Paving.

**Road.**—Carthage, Tex. See Construction News—Roads, Streets and Paving.

**Road.**—State Highway Comsn., Austin, Tex. See Construction News—Roads, Streets and Paving.

**Road.**—Clarksville, Tex. See Construction News—Roads, Streets and Paving.

**Road.**—Louisiana Highway Comsn., Baton Rouge, La. See Construction News—Roads, Streets and Paving.

**Road.**—State Highway Comsn., Austinn, Streets and Paving.

**Road.**—State Road Dept., Tallahassee, Fla. See Construction News—Roads, Streets and Paving.

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**Road.**—Louisiana Highway Comsn., Baton Rouge.—See Construction News—Roads, Streets and Paving.

**Roads.**—Daytona Beach, Fla. See Construction News—Roads, Streets and Paving.

**Roofing.**—W. H. Wearen, Sec., Lincoln County Stock Yards Co., Stanford Ky.—Wants prices on 400 squares galvanized roofing.

**Roofing.**—Ward & Ward, Contrs., 1548 N. Bayshore Drive, Miami, Fla.—Wants sub-contract bids on roofing for \$142,453 school building.

**Seating (Church).**—F. R. Blassar, Cheyenne, Okla.—Wants prices on pews or auditorium chairs for \$4500 church.

**Sewer Material.**—See Building Material.

**Steel Tanks, etc.**—See Oil Well Casing.

**Seating (Church).**—Rev. A. B. Jackson, 418 Madison St., Jefferson City, Mo.—Wants prices on pews, opera and folding chairs for auditorium and classrooms for \$75,000 church.

**Sewers.**—City of West Palm Beach, Fla., C. A. Bingham, Mgr.—Receives bids March 16 for furnishing labor, material and construction of sanitary and storm water sewers in central Borough and portion of South Borough, Sewer Dist. No. 11; sanitary sewers with plastic joints, 135,300 ft. of 8 in., 7400 ft. of 10 in., 300 ft. of 12 in., 4000 ft. of 15 in., 1800 ft. of 18 in., 400 ft. of 21 in.; vitrified pipe sewers; storm water sewers with cement joints, 800 ft. of 12 in., 23,000 ft. of 15 in., 14,400 ft. of 18 in., 6000 ft. of 21 in., 5200 ft. of 24 in., 3400 ft. of 27 in., 2500 ft. of 30 in., 2500 ft. of 33 in., 2900 ft. of 36 in., vitrified pipe sewer; alternate bids on 30 in. and 36 in. storm water pipe for segmental tile block reinforced concrete pipe; storm water sewers of segmental tile block or reinforced concrete pipe; 3,450 ft. of 42 in., 725 ft. of 48 in., sewer; 3750 ft. depth of manhole; 61,000 ft. of 6 in., vitrified house connections; T. B. Henry, City Engr.; plans, etc., at office of Fuller & McClintock, 170 Broadway, New York City and Summit-Cherry Bldg., Toledo, O.

**Sewer Material and Equipment.**—Board of Awards, Baltimore, Md., Milton J. Ruark, Sewerage Engr.—Receives bids Feb. 24 for furnishing and delivering 500,000 lbs. of manhole, sewer inlet and similar iron castings. Contr. No. 58.

**Showers.**—Rev. A. B. Jackson, 418 Madison St., Jefferson City, Mo.—Wants prices on showers for gymnasium.

**Slubber.**—See Cotton Mill Machinery.

**Spillway, etc.**—Dover Drainage District Supvrs.—Receives bids March 5 to construct Lake Thonotossa spillway and bridge; McElroy Engineering Co., both 32 Giddens Bldg., Tampa.

**Spindles.**—See Cotton Mill Machinery.

**Steel Filing Cases.**—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids March 2 to furnish steel filing cases; delivery Marine Corps Headquarters, Washington. Sch. 418.

**Steel Trusses.**—Peninsular Engineering & Construction Co., Marlon Ave., Punta Gorda, Fla.—Wants prices on 6 steel trusses, 58 ft. span, for roof, and 3 steel trusses for balcony on \$40,000, 1 story theater.

**Steel (Structural).**—See Building Material.

**Steel (Reinforcing).**—See Building Material.

**Sterilizer (Hot Air).**—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids Feb. 19 for one hot air sterilizer, Freas, electrically heated; E. H. Sargent & Co.'s cat. No. 9271 or equal.

**Stone Working Machinery.**—Standard Soapstone Corp., Arrington, Va.—Wants 4 used Sullivan or Ingersoll horizontal channellers, 3 under cutters and one Sullivan Class M core drill.

**Street.**—Philadelphia, Miss.—See Construction News—Roads, Streets and Paving.

**Street Material.**—See Building Material.

**Street Sweeper.**—A. T. Crutchfield, City Purchasing Agent, Durham, N. C.—Receives bids Feb. 26 for one motor-driven pick-up street sweeper.

**Smug Pots (Oil Burning).**—P. F. Barber, Terry, Miss.—Wants prices on oil burning smug pots to protect peach orchards of western Miss. from frost; state shipping point and prices delivered at Terry.

**Surgical Instruments.**—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids March 1 for surgical instruments.

**Switchboard.**—See Generator Set.

**Table (Orthopedic and Fractures).**—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids Feb. 23 for one

Hawley's orthopedic and fracture table, complete with accessories; The Syn-Scheerer Corp.'s Cat. No. S-1198 or equal.

**Tank and Tower.**—See Water Works.

**Tanks.**—Tampa Memorial Park, Inc., 207 Realty Bldg., Tampa, Fla.—Wants water tanks for cemetery.

**Textiles.**—Navy Dept., Bureau of Supplies and Accounts, Washington, D. C.—Receives bids Feb. 23 to deliver cheesecloth to navy yard.

**Transformers.**—A. H. Thompson, Patterson, La.—Wants second-hand transformers from 1 to 15 kw. all in good order; 2300 to 110 volt; quote delivered prices.

**Tube-Filling Machinery.**—National Capital Laboratories, Inc., 3205 K St. N. W., Washington, D. C.—Wants automatic power-driven tube-filling machinery.

**Turbine.**—City of Thomasville, Ga., D. R. Pringle, Supt. Water and Light Dept.—Receives bids March 8 for 1250 kv-a. turbine and surface condenser for same.

**Valves.**—See Water Works.

**Ventilating System.**—Ginn Floral Co., 322 N. Court St., Florence, Ala.—Wants prices on ventilating equipment for greenhouse.

**Voltage Regulator.**—Wilson-Hock Co. (Mch. Dealer), City Point, Va.—Wants voltage regulator, good condition, suitable for installation and operation with 3-phase, 60-cycle, 220-volt, 400-kw. A. C. generator.

**Water Works Material.**—See Building Material.

**Water Works.**—City of Fitzgerald, Georgia, J. H. Mayes, Mayor.—Receives bids March 5 for 13,960 ft. of 6-in. Class B water mains, five 6-in. gate valves, 16 fire hydrants; O. H. Lang, Consit. Engr., Moultrie.

**Water Works Machinery.**—City of Marshfield, Mo., H. A. Gaines, Clk.—Wants water works plant machinery.

**Water Works.**—City of McMinnville, Tenn., J. Floyd Johnson, Mayor.—Receives bids March 4 for water works improvements, including intake and low lift pumping station; complete rapid sand filtration plant of gravity type in 3 units of 500,000 gal. daily capacity (two to be equipped at present); concrete reservoir of 250,000 gals. capacity; elevated steel tank, 100,000 gals. capacity; additions and replacements for distribution system; work to be awarded in 4 contracts as follows: furnishing 6 centrifugal pumps and electric motors; furnishing and installing filter equipment; concrete work, installation of pumps, water mains and miscellaneous items; furnishing and erecting elevated tank; Klyle & Harrib, Engrs., 506 Fourth National Bank Bldg., Nashville, Tenn.

**Wire.**—A. H. Thompson, Patterson, La.—Wants 21 miles bare copper wire, quote delivered prices.

**Wire-Working Machinery.**—F. M. Jacob, College St., Columbus, Miss.—Wants prices on wire-working machinery.

**Woodworking Machinery.**—Newton Furniture Co., Inc., Newton, N. C.—Wants prices on complete line motor-driven woodworking machinery.

## Trade Literature

### Atlantic Terra Cotta in Fine Buildings.

A beautiful and impressive picture of the new Dade County Courthouse and Miami City Hall, at Miami, Fla., appears in the January number of "Atlantic Terra Cotta," published by the Atlantic Terra Cotta Co., 350 Madison avenue, New York, and the Atlanta Terra Cotta Co., Atlanta, Ga. This handsome edifice is to be 27 stories high and will be built entirely of conglomerate Atlantic terra cotta from base to roof on all elevations, portico ceiling and arcade walls. Another fine structure in Florida constitutes another example of this terra cotta, this being the Tampa Terrace Hotel at Tampa. The first three floors on the main elevation are faced entirely with terra cotta of a light silver-gray color, terra cotta being also used in the piers and in the entablature. A third building of large size in which the terra cotta is extensively employed is the Shelton Club Hotel in New York city. All of the illustrations are fine and striking.

### Boston Speed Reduction Units.

The Boston Gear Works, Inc., Norfolk Downs, Mass., have issued a pocket-size booklet concerning modern speed reduction with standardized speed reduction units for economical power transmission. The booklet is finely printed and has excellent illustrations of the different units, with drawings and tables, giving full particulars.

### Star Power Shovel Folder.

A folder published by the Star Drilling Machine Co., Akron, Ohio, describes and illustrates the Star power shovel, which, it is stated, is compact and sturdy for all purposes for which such a machine may be desired. It is described as being a big time and money saver for contractors, and that it will do the same work as boom-type shovels weighing from seven to fourteen tons more.

### "Boss" Cement Machines and Hoists.

Three bulletins issued by the American Cement Machine Company, Keokuk, Iowa, are devoted to describing and illustrating the "Boss" heavy-duty mixers, heavy-duty tilters and hoists, these bulletins being numbered, respectively, B27, T32 and No. 117. All have large pages which are made attractive and informative by an abundance of pictures showing the machines just as they are, so that purchasers may readily and accurately make selections.

### Hayward Buckets for Snow Removal.

Hayward Buckets are attractively and impressively illustrated and described in Pamphlet 624 of the Hayward Company, 50 Church street, New York, N. Y. A large illustration shows how these buckets, being operated by means of a crane, make short work of big snow piles along the streets of a large city, the particular picture presented having been made from a photograph taken on Fifth avenue. There are also smaller pictures showing in detail this snow bucket, which is also available for other purposes. This type of bucket is likewise employed to remove snow drifts from steam railroads in the country.

### New Westinghouse Panelboard.

A new line of industrial panelboards for the control of lighting systems in offices and factories was recently announced by the Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. These panelboards are made in sizes supplying from 4 to 32 circuits and in capacities ranging from 30 to 100 amperes. They are constructed with two doors, one within the other. The smaller door, giving access to the switch compartment, has a snap catch and may be opened by anyone. The larger door, opening into the fuses, is equipped with a Yale lock, so that only authorized persons may open it. Such construction insures absolute safety to employees.

### Climax Second Annual Sales Conference.

The second annual sales conference of the Climax Engineering Company of Clinton, Iowa, was held there on January 16, about fifty manufacturers and dealers in road-making machinery being present. On Friday night after the Road Show at Chicago two Pullman cars, conducted by President George W. Dulany, Jr., left that city for Clinton with the entire party. Next morning they arrived there, and after being entertained at breakfast visited the works of the company, where later in the day luncheon was served by the young ladies employed there. In the afternoon a business conference was held and a new Climax engine was exhibited. In the evening there was a banquet and dance at the Clinton Boat Club.

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## INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers whether they are advertisers, or subscribers, or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

### Economical Culvert Placement.

"Reducing the Cost of Culvert Placement" is the name of a booklet published by the Armeo Culvert & Flume Manufacturers' Association, Middletown, Ohio. A subtitle says that it is a bulletin of recommended practice for jacking Armeo corrugated culverts through existing embankments. For some time the company's engineers have worked on this problem, and, it is stated, have now developed a method of culvert placement which is believed to be free from objectionable features.

### Granite Paving Block Men at Lithonia.

A party of over 100 members of the National Granite Paving Block Association on their way to their recent convention at New Orleans stopped over at Lithonia, Ga., to see "Georgia's Granite City" that last year shipped from its quarries more than \$1,500,000 worth of stone. The special train on which they traveled was switched on private tracks to the operations of several of the largest granite-producing companies, including the Davidson Granite Company, the Arabia Granite Company and the Pine Mountain Granite Co. J. K. Davidson, in the course of an address, told the guests one of the most important uses of granite is now in the form of a new and improved paving block, which, when laid in a road-bed, presents a smooth surface to traffic. He explained the method of laying them.

### New Resistance Starters.

The General Electric Company's primary resistance starters for squirrel-cage induction motors, bearing the designation CR-7056-D-1, have been superseded by two new types, the CR-7056-D-3 in sizes up to 25 horsepower, and the CR-7056-D-4 in sizes from 25 to 50 horsepower. The 7056-D-3 has arc barriers and the 7056-D-4 starters are equipped with magnetic blowouts and arc chutes, enabling them to handle the larger motor currents. Both starters have an improved magnetic time interlock, an important change being that the operating spring now works by compression instead of tension. The interlock can thus be adjusted more easily. Starting resistors are also redesigned and enlarged to give more capacity, and conform to classification No. 16 of the Electric Power Club, which provides 200 per cent full load current or more on the first point for 15 seconds out of every four minutes.

### Wagner Electric Men Awarded Medal.

The Wagner Electric Company of St. Louis has been awarded the John Price Wetherill Medal by the Franklin Institute for the Fynn-Weichsel motor, "with special mention of Val A. Fynn and Hans Weichsel, in consideration of the progress in the electric art which this invention marks and the development of a motor of excellent design and construction." This machine is a synchronous-induction motor, either two or three phase, having an automatic self-generated direct current to obtain the synchronous speed, but with characteristics quite different from the ordinary synchronous motor. It may be used to produce mechanical power at unity power factor or it may produce power and also raise the power factor of other motors in the same installation. In appearance it resembles an ordinary slip-ring motor, but the essential difference is in the revolving part, or the rotor.

### T. L. Smith Company Distributors Entertained.

One of the most interesting groups in Chicago during the week of the Road Show was that of distributors of products of the T. L. Smith Company, manufacturers of concrete mixers and pavers, Milwaukee, Wis. They appeared in a body at practically every session, and the company held a banquet for them on the opening night of the show in the Red Lacquer Room of the New Palmer House. During the week prior to the show they were entertained at the home offices in Milwaukee, where President H. E. Smith gave them a dinner party at his home.

### Austin Company Gets Important Contract.

The Dreses Machine Tool Company, Cincinnati, Ohio, has awarded a contract for an entirely new plant to cost \$100,000, and the Austin Company of Cleveland is the engineer and builder. The building will be one story high, 90 by 300 feet, with monitor roof, and about 100 tons of structural steel will be required. There will be two five-ton cranes in the center aisle and one three-ton crane in the side aisle. The Austin contract includes heating, lighting, plumbing and erection of cranes in addition to the building construction. Charles A. Gilbert is president and W. A. Hudson secretary and treasurer of the Dreses Machine Tool Co. Mr. Gilbert is also interested in the Buckeye Foundry Co.

### Townsend Wire Plant 110 Years Old.

The Townsend Company, manufacturers of rivets, nails, wire and wire products, New Brighton, Pa., have sent out announcements of the one hundred and tenth anniversary of the "oldest wire mill in America," to quote from the card. The business was established in 1816 by R. Townsend & Co., and that was the style until 1864, when it became W. P. Townsend & Co. Thirty years later, in 1894, the style was again changed to C. C. & E. P. Townsend, and in 1905 it became the C. C. & E. P. Townsend Co., and in 1916 the Townsend Company, which is the present style. R. T. Townsend is president and general manager; J. M. Townsend, vice-president, and V. L. Bradford, secretary and treasurer.

### York Ice and Refrigerating Sales.

From December 31, the date of its last report, to January 29 the York Manufacturing Company of York, Pa., made sales and installations of its ice-making and refrigerating machinery in 126 cities and towns throughout the country, including 47 in the South, as follows: Moore Haven, Fla.; Kelsey City, Fla.; Miami, Fla.; Augusta, Ga.; Statesboro, Ga.; Brownsville, Tenn.; New Orleans, La.; Liberty, Mo.; Tulsa, Okla.; Galveston, Tex.; Del Rio, Tex.; El Paso, Tex.; Alexandria, Va.; Martinsburg, W. Va.; Monroe, La.; Tampa, Fla.; Atlanta, Ga.; Festus, Mo.; Covington, Tenn.; Okolona, Miss.; Aberdeen, Miss.; St. Louis, Mo.; Kansas City, Mo.; De Soto, Mo.; Orlando, Fla.; Daytona Beach, Fla.; South Charleston, W. Va.; Vidalia, Ga.; Jacksonville, Fla.; St. Joseph, Mo.; Wadley, Ga.; Hollywood, Fla.; East Tallahassee, Ala.; Greensboro, N. C.; Wake Forest, N. C., and Princess Anne, Md. In several of these places two or more installations were made.

### Life Insurance Company of Virginia Statement.

The statement of the Life Insurance Company of Virginia, at Richmond, John G. Walker, president, for the year 1925, appearing elsewhere in this issue, shows that there was an increase in the amount of insurance in force of more than \$19,000,000 during the period, making the total amount in force on December 31 more than \$292,800,000. The increase in the number of policies in force was more than 44,000, making a total of more than 1,177,000 policies in force at the end of the year. Death claims, etc., paid to policyholders during the year totaled over \$3,300,000. Gross income for 1925 was over \$12,800,000, showing an increase of considerably more than \$1,000,000. Total assets are more than \$46,500,000, showing an increase of more than \$5,000,000 as compared with a year ago. There is a surplus of assets over liabilities of more than \$6,600,000. Insurance reserve increased more than \$3,700,000. The growth of the company since 1901 has shown a steady increase.

### Toledo Scale Change of Control.

A controlling interest in the Toledo Scale Company, Toledo, Ohio, manufacturers of automatic scales for stores and factories, has been acquired by Hubert D. Bennett of that city, and he has been elected president, assuming active direction of the organization. O. C. Reeves, general factory superintendent of the company since 1905, was elected first vice-president and W. C. Gookin, the general sales manager, was elected second vice-president. The latter, who joined the company 18 months ago, is widely known in the specialty selling field. The company was formed in 1901 by the late Henry Theobald to manufacture a computing scale operated by means of an automatic pendulum counterbalance rather than by springs. It now manufactures over 30 models of computing and non-computing scales for retail stores, besides a large line for industrial use, ranging from half a pound to 30 tons capacity, and also scales for special purposes. The company has 10 branches in principal cities.

### Important Development of Air Preheater.

Of interest to everyone concerned with heat economy is a recent development in air preheaters by the Blaw-Knox Company of Pittsburgh, Pa. This heater is of the continuous flow, regenerative type, combining the best advantages of recuperation and regeneration. While both air and waste gases have a uniform flow to and from the heater, a novel arrangement of valves and heating chambers in the heater itself permits an alternate passage of air and waste gases over plate-heating elements, the latter consisting of thin, detached steel sheets spaced about one-quarter of an inch apart and arranged vertically in three chambers, giving a large amount of effective heating surface per unit of volume. Leakage is reduced to a minimum. The heater is applicable to industrial heating furnaces as well as boilers and can be designed for handling waste gases up to 2000 degrees Fahrenheit.

### Thirtieth Anniversary of Southern Company.

The Southern School Supply Co., Raleigh, N. C., has sent out its "Anniversary Announcement, 1896-1926," which says: "This is the thirtieth year of our existence under the same management, being the thirtieth year of our corporation. \* \* \* We are now manufacturing high-quality school desks, teachers' desks, bookcases, opera chairs, etc., and it is on our program to greatly increase our manufacturing capacity. \* \* \* We are developing some new and attractive styles of desks and chairs to be offered in the near future."

**New Officers Elected.**

J. H. Hillsman & Co., Inc., investment securities, Atlanta, Ga., have sent out cards announcing the retirement of J. H. Hillsman as president on February 1. The new officers of the company are J. Dozier Lowndes, president; J. Fleming Settle, vice-president; Julian W. Tindall, secretary and treasurer.

**Appointment.**

Granville P. Rogers has been appointed managing director of the National Council of Lighting Fixture Manufacturers, whose general offices are in the Guarantee Title Building, 815 Superior avenue, Cleveland, Ohio. He was formerly sales manager of the general automotive equipment department of Johns Manville, Inc., and previously general sales and advertising manager of the Pyrene Manufacturing Co.

**Reading Chain Opens Pittsburgh Office.**

The Reading Chain & Block Corporation of Reading, Pa., manufacturers of chain hoists, electric hoists and other material-handling equipment, have recently opened an office in Pittsburgh, Pa., at 327 First avenue, in the charge of Lloyd W. Lutz, who is an experienced engineer and has been with the company for a number of years.

**"Handy Andy" Pullers for Contractors.**

The John Waldron Corporation, New Brunswick, N. J., says that the "Handy Andy" is a big little puller for contractors. It is made in two patterns, the Junior being a one-man hand-power puller for all kinds of moving, lifting or pulling; it is made with two speeds, one high for making long, light pulls faster, and one low for heavy pulls. It is easily moved on its wheels and its capacity is from 10 to 40 tons, depending on equipment. The other pattern is the Senior, which is a power puller for use with horse, truck or tractor. It is also fitted with two speeds and its capacity is from 17 to 80 tons, depending on equipment. It is fitted with skids and can be moved by the power which operates it. One of these devices can move a freight car or a house, but there are also many other jobs which it can quickly do for contractors and others.

**To Build \$300,000 Gymnasium.**

St. Louis, Mo.—General contract has been awarded by St. Louis University to C. W. Schuler & Co. of this city for the erection of a \$300,000 gymnasium at 3678 West Pine boulevard. The structure will be 140 by 208 feet, three stories, of reinforced concrete and structural steel, with concrete foundations and wood and terrazzo floors. O'Meara & Hills are the architects, and the Schuett-Meier Co., engineer, both of St. Louis.

**Plans \$500,000 Hotel at Punta Gorda.**

Punta Gorda, Fla.—Preliminary sketches are being made by Lawrie & Green, Harrisburg, Pa., and Tampa, for a \$500,000 hotel to be erected here by the Golden Gate Hotel Co. of this city, in which C. D. Hiester is interested. The building will be 125 by 63 feet, 11 stories, fireproof, of steel frame construction, with brick exterior, stone trim, concrete foundation, terrazzo, tile, cement and wood floors, and built-up composition roof. Richard Newbold of the Steel Service Co., Philadelphia, is the engineer.

A bond issue of \$500,000 for paving and sewers will be submitted by City Council of Parkersburg, W. Va., to voters of the city at the regular municipal election on April 6.

**Traffic Managers for Industries, Etc.**

Florida Traffic Service, an organization in existence since 1920, having offices in the Stovall Building, Tampa, Fla., is attracting more clients now because of the condition of transportation facilities in that state and the increasing need for industrial traffic service. The organization represents shippers and receivers of freight as traffic managers, handling all questions pertaining to rates, claims, etc. It also practices before the Interstate Commerce Commission and state railroad commissions, successfully representing the larger wholesale dealers in lumber, manufacturers, rock, sand and road material producers, paving and building contractors. The clientele also includes the larger shippers and receivers of freight in the state, with specialization in transportation problems, freight tracing and expediting movement.

**Apartment-House Furniture, Etc.**

The Factory Sales Company of Florida, 413 Stovall-Nelson Building, Tampa, Fla., conducting business as manufacturers' agents, desire to represent manufacturers of all kinds of apartment-house furniture and apartment-house equipment. Besides, they want catalogues, prices and other data about folding beds, davenports, overstuffed and wicker furniture, chairs, kitchen cabinets, breakfast-room equipment, refrigerators, receivers, carpets and rugs.

**District Sales Agents Appointed.**

The Youngstown Sheet & Tube Company, Youngstown, Ohio, has appointed district sales agents as follows: H. M. Richardson, at Philadelphia, Pa., with offices in the Franklin Trust Building; G. B. Strausner, at Buffalo, N. Y., with offices in the Liberty Bank Building, and Myron S. Curtis, at Youngstown, Ohio, with offices in the Stambaugh Building.

**Harnischfeger Branch Established.**

The Harnischfeger Sales Corporation, distributor for the Harnischfeger Corporation of Milwaukee, Wis., has established a branch office at Indianapolis, Ind., its location being at 808 Guaranty Building, with J. H. Enochs as district manager in charge. Phone, Circle 1719.

**Southern Electric Branch at Charlotte.**

The Southern Electric Company of Richmond, Va., has established a sales office and warehouse at Charlotte, N. C., to serve customers in the Carolinas. Clyde J. Young, who has represented the company in this territory for more than five years, is in charge of the branch, with able assistants.

**New and Valuable Spray Painting Unit.**

A recent and far-reaching unit for spray painting is the "Lobster Claw Attachment" of the Spray Painting and Finishing Equipment Sales Co., 60 High St., Boston, Mass., which, it is claimed, enables spray operators to include every line in architectural and industrial finishing work, for it makes possible the "cutting in" of trim, namely, windows, doors, mouldings, wall fixtures, sinks, and also the cutting between ceilings and walls, washboards and floors, and even the drawing of window sashes in volume. It is furthermore stated that two-color work in such products as automobile bodies and furniture can be completed without masking, and any desired surface can be protected.

**Bay City Dredge Works Enlarging.**

The Bay City Dredge Works, Bay City, Mich., has bought land at Roselle, N. J., and is building there a steel warehouse and service station for the convenience of eastern contractors. A connection will be made with the Baltimore & Ohio Railroad. The warehouses will be used for storage of Bay City excavators, Model 16-B and Model 4, and a complete line of parts will be kept in stock, the warehouse being under the direction of the eastern office of the works, which is at 302 Broadway, New York city, Eugene P. Reading, manager. At Bay City the company is also building 5000 feet additional of floor space for erection and assembly of these excavators, this being the second unit of this size which had to be erected in two years to meet demands. It is also to be noted that the company has appointed Herbert Gad, Martin Building, Birmingham, Ala., to be sales representative for Alabama and Mississippi; also Rumsey & Rumsey, 485 51st street, Milwaukee, Wis., sales representatives for Wisconsin.

**Additional 12,500 Kilowatt Unit at Tampa.**

Tampa, Fla.—To meet an increased demand for electricity in Tampa the Tampa Electric Co. has authorized Stone & Webster, Inc., of Boston, Mass., to install an additional 12,500-kilowatt unit and four boilers in the West Jackson-Street station here. The boiler room will be extended and a 200-foot stack erected, although it is planned to install the new power unit in the present turbine room. An outdoor sub-station near the power-house will be enlarged to accommodate the increased generating capacity, and an additional feeder will tie in the Eleventh Avenue sub-station. Construction will be under the supervision of Dudley Gunn.

**Building Program to Involve \$1,000,000.**

Vero Beach, Fla.—A building program at Veromar, an ocean beach development which has been undertaken by the Veromar Company, will involve approximately \$1,000,000 and will embrace the erection of a casino, yacht-club building and a number of residences. This program is a part of an extensive development now being prosecuted by the company; officers include E. W. Thompson, Palm Beach, president; Frank W. Rane, vice-president; William L. Christenson, secretary, and Ira L. Nesmith, vice-president and general manager, Palm Beach.



THE LARGEST-SELLING MASON'S CEMENT IN THE WORLD



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# FINANCIAL NEWS

## Bond Issues Proposed

Ala., Anniston—Street—City Council, H. H. Booth, Pres., receives bids February 25 for \$65,000 bonds.\*

Ala., Sheffield—Hospital—City votes March 15 on \$75,000 bond issue. Address The Mayor.

Ark., Little Rock—School—Board of Directors receives bids March 2 for \$246,000 bonds; D. R. Fones, Clk.

Fla., Bartow—Road—Polk County, Board of County Commrs., J. D. Raulerson, Clerk, receives bids March 10, \$65,000 6% warrants.

Fla., Boynton—Municipal Improvement—City, Lew Winchester, City Clk., plans voting \$1,000,000 bond issue; \$50,000 beach casino, sewerage mains, street lighting, water works and widening Dixie Highway. R. O. Meyers, Mayor.

Fla., Brooksville—Street, Sewer—City voted \$90,000 sanitary sewer bonds, \$10,000 opening streets, \$85,000 pavement.\*

Fla., Fort Lauderdale—Public Improvements—City votes March 3 on \$4,000,000 bonds for water works, sanitary and storm sewers, garbage incinerator and for deepening New River Inlet; B. J. Horne, City Mgr.

Fla., Fort Myers—Improvement—City Comm., plans voting \$2,837,090 bond issue: water, gas, sewer and incinerator, \$1,400,000; city hall, \$420,000; auditorium, \$200,000; hospital, \$200,000; parks and recreation program, \$225,000; fire apparatus, \$125,000; library, \$79,000; jail, \$75,000, and detention home, \$35,000.\*

Fla., Fort Pierce—Mosquito Eradication—St. Lucie County voted \$500,000 bond issue; Col. William D. Wrightson, Ch. Engr. in charge.\*

Fla., Gainesville—Improvement—City will issue \$585,000 5½% bonds; water and light plants, street improvement, enlarging fire department and publicity purposes.

Fla., Green Cove Springs—Road, Bridge—Clay County, Special Road and Bridge Dist. No. 4, receives bids March 4 for \$515,000 6% bonds; M. W. Griffiths, Chrmn., Trustees.

Fla., Groveland—Road—County Commrs. plan bond election March 9 on \$450,000 bond issue.

Fla., Lake City—School—City voted \$175,000 bond issue.\*

Fla., Miami—Improvement—Dade County, Board of County Commrs., Geo. F. Holly, Clerk, receives bids February 23 for \$800,000 5% bonds; \$300,000 causeway, \$147,000 West Dixie highway, \$253,000 general highway, \$100,000 armory.\*

Fla., Miami—Municipal Improvement—City voted \$11,250,000 bond issue, including sewer, street and street railway extensions, bridges, trash, garbage, hospital, fire, police and water; E. C. Romfh, Mayor; F. H. Wharton, City Mgr.\*

Fla., Ocala—Highway—Marion County Board of County Commrs. receives bids March 10 for \$1,550,000 bonds; T. D. Lancaster, Jr., Clk.

Fla., Okeechobee—Improvement—City receives bids March 22 for \$215,000 6% bonds; R. P. Fletcher, City Clk.; H. H. De Yarham, Pres. City Council.

Fla., Sanford—Improvement—City votes March 19 on \$2,000,000 bond issue: Fire alarm and police telephone system, white way extensions, waterfront improvement, bulkheading, sewers, street paving, purchase city property, fire station and equipment, gas plant extension, water extension, and conduits. Forrest Lake, Mayor.

Fla., St. Petersburg—Municipal Improvement—City, Stanley Martin, Director of Finance, voted \$1,577,000 bonds: \$235,000 dredging, \$824,000 concrete pier, \$432,000 transit sheds, \$86,000 dredging inner harbor.\*

Fla., Tampa—School—Hillsborough County Board of Public Instruction, J. G. Anderson, Jr., Chrmn., receives bids March 1 for \$600,000 5% bonds.

Fla., Titusville—Road—Brevard County, Associated Chambers of Commerce contemplate \$2,000,000 bond issue. P. W. Roberts, Mims, Representative Board of County Commrs.

Fla., West Palm Beach—Inlet—Palm Beach County will sell \$250,000 Lake Worth Inlet District Bonds. C. E. Chillingworth, Judge, Olive and Gardenia Sts., West Palm Beach.\*

Fla., Winter Park—School—City, C. Fred Ward, Mayor, will vote March 9 on \$200,000 bond election.

Ga., McRae—Road—Bridge—Telfair County N. A. Cameron, Clk. of court, receives bids March 10 for \$325,000 4½% bonds.\*

Ga., Summerville—Road—Chattooga County Commrs. plan bond issue to improve roads, Hon. Barry Wright, Pres. Rome Chamber of Commerce.

Ga., Tifton—Road—City plans bond election in near future. Address The Mayor.

Ga., Wrightsville—Road—Bridge—Johnson County voted \$200,000 bond election.

Ky., Hyden—Road, Bridge—Leslie County will hold bond election March 2 on \$230,000 bond election. Address County Commrs.

Ky., Paducah—Roads—McCracken County will vote April 17 on \$500,000 bond issue. Address County Judge.

Ky., Paris—School, Sewer—City, J. W. Hayden, City Clerk, receives bids March 1, \$60,000 5% school bonds and \$27,000 5% sewer construction bonds.\*

La., Rayville—School—Richland Parish School Board receives bids March 2 for \$150,000 bonds.

Miss., Starkville—Road—Oktibbeha County Board of Supvrs. called election March 2 on \$450,00 bond issue.

Miss., Vicksburg—City will receive bids soon for \$125,000 indebtedness bonds. Address The Mayor.

Miss., Vicksburg—Liquidating Debt—City, Mayor and Aldermen receive bids February 23 for \$125,000 5% bonds; S. S. Patterson, City Clk.

Mo., Columbia—Road—Boon County contemplate voting \$1,000,000 bond election. Address County Judge.

Mo., Farmington—Courthouse—St. Francois County, A. P. Mackley, Treas. receives bids March 10 for \$250,000 \$1000 bonds.

Mo., Kansas City—Courthouse, Hospital—Jackson County Court contemplate bond election for courthouse; also \$250,000 bonds for hospital building adjacent to Jackson County Home. Address Board of County Commrs., Independence, Mo.

Mo., Webb City—Street Paving—City votes April 6 on \$60,000 bond issue.\*

N. C., Elizabeth City—Street—City authorized \$225,000 street improvement bond issue. Address The Mayor.

N. C., Hamlet—Sewer—Town, Board of Commrs. receives bids Feb. 24 for \$25,000 bonds; L. M. Query Clk.

N. C., Lincolnton—Road—Lincoln County, Board of County Commrs., receives bids March 1 for \$275,000 5% \$1000 denom. bonds; J. E. Hoover, Reg. of Deeds.

N. C., Sanford—Road—Lee County Board of Commrs. receive bids March 9 for \$60,000 bonds; John W. McIntosh, Register of Deeds.

Okla., Enid—School—School Board will purchase \$250,000 bonds, recently voted, with sinking fund money.

S. C., Greenville—Greater Greenville Sewer District Comsn., B. A. Morgan, Chrmn., has made survey and report to General Assembly recommending issue \$2,000,000 bonds and creation of new commission; no bonds will be issued now; term of former commission has expired.\*

Tenn., Covington—Highway—Tipton County, John Y. Pette, County Judge, receives bids March 1, \$75,000 bonds.

Tenn., Franklin—School, Gymnasium—City Jackson County Court contemplates bond election; Park Marshall, Mayor, E. E. Green, Treas.\*

Tenn., Morristown—Road—Hamblen Quarterly County Court issued \$25,000 30 year 5% bonds; will receive bids soon for \$43,000 30 year 5% bonds.

Tenn., Pulaski—Highway—Giles County, J. C. Hannah, County Judge, receives bids February 19 for \$150,000 5% bonds.

Tex., Ferris—Street—City voted \$130,000 bond issue; M. McCall, Mayor.

Tex., Galveston—Road—Galveston County, E. B. Holman, Judge, will vote April 10 on \$150,000 bond issue.\*

Tex., Hereford—Paving, Water—City voted \$67,000 paving bonds and \$7500 water extension bonds.

Tex., Houston—Road—Jail—Harris County Commrs. will hold bond election March 9; \$6,000,000 road bonds; \$600,000 county jail; Chester H. Bryan, County Judge.\*

Tex., O'Donnell—Water—City votes February 23 on \$27,500 bonds. Address The Mayor.

Tex., Wharton—Paving, Water Works—City receives bids March 10 for \$67,000 5½% paving bonds and \$18,000 water works bonds; J. H. Herring, Mayor.

## Bond Issues Sold

Ala., Birmingham—Improvement—City sold \$360,000 4½% bonds to First National Bank of Birmingham for \$361,148.98 at premium of \$1,148.98.

Ala., Tusculumbia—City Hall, Jail—City sold \$30,000 bonds to First National Bank of Tusculumbia at par.

Ark., Little Rock—Water—Pulaski County sold \$122,000 5% North Heights Water District No. 18 bonds to M. W. Elkins & Co., 217 N. 2nd St., Little Rock.

Ark., Paris—Sewer—City sold \$76,000 5½% bonds to M. W. Elkins & Co., 217 W. 2nd St., Little Rock, at 100.33.

Fla., Orlando—School—Orlando Special Tax School Dist. No. 1, Orange County, sold \$500,000 5% bonds to Title Guarantee & Trust Co., Cincinnati, and Otis & Co., Cleveland, Ohio, at \$486,700.\*

Fla., Vero Beach—Water Works—City sold \$150,000 bonds at premium of \$150 to Farmers' Bank and Trust Co.\*

Georgia—School—State of Georgia sold \$3,000,000 warrants to Fourth National Bank of Atlanta.

Ga., Atlanta—Street—City sold \$78,000 4½% bonds to Citizens & Southern Co., Atlanta, at \$78,593.58.

Ga., Austell—Waterworks—Sewerage—City sold \$25,000 bonds to Citizens & Southern Co. and J. H. Hillsman & Co., Atlanta Land Co. Bldg., Atlanta.

Ga., Jesup—School—Jesup School District Trustees, J. H. Thomas, Sec., sold \$80,000 5½% bonds to Citizens & Southern Co., 22 Bull St., Savannah, at \$84,325.\*

Ga., Oglethorpe—Paving—Macon County Commrs. sold \$100,000 bonds to Baun Bosworth, Toledo, Ohio.\*

Ga., St. Marys—School—St. Marys Consolidated school district sold \$17,000 5% bonds through Bank of Camden County, St. Marys, to Chicago bond dealers at 97½.

Ky., Hindman—Road—Bridge—Knott County sold \$200,000 5% coupon bonds at premium of \$100,000 to E. C. Duff, Lexington.

La., Jennings—Road—Jefferson Davis Parish sold \$70,000 6% Meadow Prairie Road Dist. No. 1 bonds to Whitney Central Trust & Savings Bank, New Orleans, and \$14,000 6% Pine Island Road Dist. No. 1 bonds to the Lattrelle Estate Inc., Jennings.

Md., Annapolis—General Construction—John M. Dennis, State Treas., sold \$472,000 4½% bonds to Eldredge & Co., 14 Wall St., New York, at 103.172.\*

Miss., Laurel—Water Works—City sold \$50,000 bonds at par, accrued interest and premium of \$693 to Commercial National Bank and Trust Co.

N. C., Beaufort—Improvement—City sold \$35,000 public improvement bonds at 100.04 to Well, Rother & Irving Co., Cincinnati.

La., Ferriday—School—City sold \$75,000 bonds to Interstate Trust and Banking Co., New Orleans, at 4¼% interest and \$101 premium.

N. C., Henderson—Highway—Vance County Board of County Commrs. sold \$150,000 4½% bonds at par plus premium of \$630 to Minnesota Loan & Trust Co., Minneapolis, Minn.

Tenn., Memphis—City sold \$1,250,000 4½% coupon revenue notes to Bank of Commerce & Trust Co., Memphis.

Tex., Amarillo—Waterworks—City sold \$1,750,000 bonds at par to syndicate composed of American National Co., C. Edgar Monold and R. J. Edwards, First Nat'l Bank Bldg., Oklahoma City, and the Brown, Grummer Co., Wichita.

Tex., Floresville—Waterworks—City sold \$40,000 5½% bonds to J. E. Jarratt Co., First Nat'l Bank Bldg., San Antonio, at premium.

Tex., Tulla—Improvement—City sold \$65,000 5½% bonds to H. C. Burt & Co., 718 McKinney St., Houston, at premium of \$500.

## Building and Loan Associations

Ga., Augusta—Peoples Building & Loan

(Continued on page 136)

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.



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The growth of the South is attracting the attention of the business world as never before.

Is your business expanding? Do you need increased banking facilities?

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### STATE—COUNTY—CITY

#### Financing

**CURTIS & SANGER**

49 Wall Street

NEW YORK

# FINANCIAL NEWS

(Continued from page 134)

Assn., Lobby Masonic Bldg., capital \$25,000, Davenport Sanford, Pres.\*

La., Amite—Security Homestead Assn., capital \$500,000, Elijah T. Tate, W. H. Burris, both of Kentwood, La.

## New Financial Corporations

Fla., Stuart—Florida Mortgage Loan Co., capital \$150,000, Stanley W. Sparks, Acting Fiscal Agent.

Fla., West Palm Beach—National Bank of Palm Beach, capital \$200,000; George W. Bingham.\*

Fla., West Palm Beach—Fidelity Bond and Mortgage Co., capital \$250,000; A. O. Grey-nolds, J. M. Clarke.

Fla., West Palm Beach—Wm. J. Fritz & Co., Inc., capital \$500,000; W. J. Behren, Spencer T. Lainhart.

Fla., Wimauma—State Bank of Wimauma, J. C. Flener, Cashier.

Ga., Albany—South Georgia Trust Co., capital \$20,000.

Ga., Macon—Macon National Bank increased capital, \$200,000; T. Rad Turner, Pres.\*

Ga., Summerville—Farmers and Merchants Bank of Summerville, capital \$25,000.

Ga., Tignall—Peoples Bank of Tignall merged with Bank of Tignall, capital \$50,000; Boyce Ficklen, Jr., Pres.; Frank S. Fortson.

Ky., Paintsville—Paintsville Bank and Trust Co. increased capital, \$60,000 to \$75,000.

La., Metairie—Metairie Ridge, capital \$50,000; James P. Butler, Pres.

La., New Orleans—General Finance Co. of Louisiana, Inc., capital \$1,500,000; John S. Huey, Pres., 801 Lowerline St.

La., St. Rose—State Bank of St. Rose, capital \$35,000, Sidney W. Souers, 1517 Nashville Ave., New Orleans.

Md., Baltimore—Baltimore Commercial Bank, 26 South St., increased capital, \$750,000 to \$1,000,000.

Miss., Biloxi—Mississippi Finance & Trust Co., capital \$100,000, J. C. Spaulding, D. Sherwood.

Mo., St. Louis—Elleardville Finance Corp., capital \$15,000; Herman Dreet, 4226 W. Coe Brilliante, general land and investment.

N. C., Nashville—Nash County Agricultural Credit Corporation, capital \$100,000; C. L. Benson, J. B. Cassaway.

Tex., Dallas—Federal Mortgage Co. increased capital, \$250,000 to \$500,000; George W. Lingwiler, Mgr., Praetorian Bldg.

W. Va., Morgantown—West Virginia Finance Co. of Morgantown, capital \$25,000, Forney Wade, 30 West Westover St.

## Book Reviews

Florida Real Estate Practice and Law. By Philip A. Benson, B.C.S., C.P.A., and Nelson L. North, Jr., LL.M. New York: Prentice-Hall, Inc., 1925. Cloth. Pp. 507. \$5.

An authentic, unbiased book, according to the announcement of its publishers, this excellently printed and substantially bound volume will be widely appreciated, as it covers the latest methods used in Florida, and it is further stated it was published in response to the nation-wide interest shown in the development of the Peninsular state. The authors are both experienced men, the first-named as to real-estate negotiations and the latter as to real-estate law. The reader is impressed with the style of the work, and it is easy to realize the accuracy of the assertions of the publishers that candid and fair statements are made relative to the present and the future of all sections of the state. Moreover, the book is thoroughly practical, explaining with actual examples successful methods used in buying, selling, developing and financing, brokerage, valuation, transfer, insurance and protection of titles and management. Peculiarities and intricacies result-

ing from the rapid exchange of property, contracts and options are classified, as are the legal restrictions placed upon resident and non-resident owners and purchasers. A very valuable feature of the volume is a collection of real-estate forms.

Credit Analysis. By W. C. Schluter, Ph. D. New York: Prentice-Hall, Inc. 1925. Cloth. Pp. 450. \$5.

In the preface of this excellent volume the author says that it is written for bank and mercantile credit men, business executives and students and teachers of commercial credit, and also that he has aimed, by means of a study of reports on creditors' experience and the analysis of financial statements, to restrict his discussion to presentation and illustration of the economic and business basis underlying the assumption for a credit risk. The book provides a comparative study of reports and coherently presents the methods used by many of the foremost bankers and credit men. It tells exactly how credit information is obtained and makes clear every point used in reaching a judgment or credit risk. It goes straight to the heart of credit problems, taking up in analytical detail attempts at misstatement, how to determine the limit of credit extent and when to refuse credit. By pursuing the methods outlined a credit man will, it is stated, know whether a debtor can pay, whether he will pay and whether he will be able to pay in the future. There are also detailed discussions on relationship of credit to general and specific business conditions. The book is unique in its field and its points are well illustrated with reports and statements from actual business practice.

Five Years of European Chaos. By Maxwell H. H. Macartney. New York: E. P. Dutton & Co. Buckram. Pp. 242.

As special correspondent of the London Times the author of this book had unusual opportunities for seeing the inside of European politics. He had occasion to travel up and down Europe after the Armistice with practically no interruption and was in a position to acquire important information. Behind the peoples and their Governments he witnessed states of mind, the feeling of instability everywhere, the discontent in the central part of the Continent and the spirit of chauvinism that was eating at the heart of some of the countries and the convenient blindness to the scientifically trained military forces which masqueraded as gymnastic societies, tourists' associations, etc., making Europe as much an armed camp as before. Mr. Macartney tells an exceedingly interesting series of narratives about the different countries that he visited and studied. His style is that of an unprejudiced observer, spiced here and there with humor and anecdote. The reader will feel repaid by consideration of his work.

Niagara in Politics. By James Mavor, New York: E. P. Dutton & Co., Cloth. Pp. 255.

This book is described as "a critical account of the Ontario Hydro-Electric Commission," in the publishers' announcement concerning it, and it is further stated that this history of the Commission, written by Mr. Mavor, "is a sincere and remorseless refutation" of Carl D. Thompson's statements concerning the activities of that organization. It is also asserted that "the author proves, with the aid of thorough and excellent evi-

dence supplied by speeches, laws, reports and various documents, that the Commission has not only entered into the field of competition of supplying electric power to townships and industries, but by allying itself with politics has endeavored to, and in many cases managed to, stamp out through Government enactment all competition and make itself an absolute monopoly; that it has cost the Province over two hundred millions in money by reckless financing and has embarrassed the credit and the finance of the Province." It is to be observed that Mr. Mavor distinguishes between Government ownership and Government operation of public utilities, believing that Government operation is dangerous and destructive. To show that such is the case is the tenor of his book. It is to be regrettably noted that Mr. Mavor died suddenly of heart disease on October 31, at the home of his brother in Glasgow, Scotland. He was Professor Emeritus of Political Economy of the University of Toronto, Ontario, Canada.

## Annual Report of Du Pont Company Shows Big Business During 1925.

The annual report of E. I. du Pont de Nemours & Co., Inc., of Wilmington, Del., for the year 1925 shows that the company and its subsidiaries enjoyed success, with broadening markets for its various lines of products. Despite the strike in the anthracite region and earlier depression in the bituminous coal fields, the sales of commercial explosives showed an increase over the previous year. There were new outlets for an increasing amount of coated textiles, such as Fabrikoid and rubber-coated goods; the sale of dyestuffs showed an increase, and the Pyralin department, now merged with the Viscoloid Company to form the Du Pont Viscoloid Co., enjoyed a good business year. There was a very large increase in the sale of Duco, the new pyroxylin finish for automobiles, furniture and other articles. The demand for rayon was so great that it was necessary to enlarge the manufacturing plants. The capacity of the original plant at Buffalo is being doubled, and although a new plant in Tennessee equal to the first Buffalo plant began producing last year, a unit similar to it is already being built. Cellophane, a transparent sheet material for wrapping, has been in great demand. Synthetic ammonia will be produced at a plant being completed near Charleston, W. Va. Ethyl alcohol will be made at Deepwater Point, N. J., by the Eastern Alcohol Corporation, owned jointly by the Du Pont Company and the Kentucky Alcohol Corporation. The Du Pont Company has also joined with another American explosives company in organizing the Cia Mexicana de Explosivos, which has acquired the only commercial explosives plant in Mexico. The consolidated net income of the Du Pont Company for 1925 amounted to \$24,033,957, which, after providing for interest on the funded debt, equals 5.85 times the debenture stock dividends, and after allowing for them the remaining net income of over \$19,900,000 equals \$14.97 per share for the common stock outstanding. Total current assets on December 31 were over \$55,100,000; total gross assets were more than \$305,700,000.

## Branch at Jacksonville.

The Chattanooga Boiler & Tank Company, Chattanooga, Tenn., has opened a branch office at Jacksonville, Fla., its location being at 135 East Bay street.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.



# Life Insurance Company of Virginia

Incorporated by the Legislature of Virginia in 1871.  
HOME OFFICE: RICHMOND, VIRGINIA

JOHN G. WALKER, President

Financial Condition December 31, 1925

## ASSETS:

Bonds and Mortgage Loans on Real Estate .....	\$37,890,420.81
Railroad and Street Railway Bonds .....	639,584.25
United States Liberty Bonds .....	856,863.44
State Bonds .....	5,338.00
Municipal Bonds .....	18,113.30
Miscellaneous Bonds .....	144,137.75
Real Estate .....	2,203,608.11
Bank Stocks .....	24,375.00
Loans on Company's Policies .....	2,547,926.41
Cash in Banks and Trust Companies on Interest .....	777,642.38
Cash in Offices and in Banks not on Interest .....	45,530.54
Interest Due and Accrued .....	729,716.26
Net Uncollected and Deferred Premiums and Premium Notes and all other Assets ..	679,411.15
Total Admitted Assets .....	\$46,562,667.40

## LIABILITIES:

Reserve on Policies in force as computed by the Actuary of the Company .....	\$37,470,952.00
All other Liabilities .....	2,469,140.25
Total Liabilities .....	\$39,940,092.25
Capital Stock .....	\$3,000,000.00
Surplus .....	3,622,575.15
Surplus of Assets over Liabilities .....	6,622,575.15
Total .....	\$46,562,667.40

We have examined the books and records of the LIFE INSURANCE COMPANY OF VIRGINIA for the year ending December 31, 1925, and have verified therefrom the above Statement of Assets and Liabilities at the close of business at the Home Office as of that date.

We have examined and verified the Bonds and Mortgage Loans on Real Estate, Collateral and Policy Loans, and Railroad, United States, State, Municipal and other Bonds, Stocks and all other investments owned by the Company or held as Collateral, and have proved that all of the Bonds and Stocks are carried at their market value on December 31, 1925. We have counted the Cash on hand, and have verified the balances deposited with Banks and Trust Companies.

The Reserve on Policies in Force and other Actuarial Liabilities are certified by the Actuary of the Company. We have satisfied ourselves that all other Liabilities are duly provided for, and we certify that the above Statement of Assets and Liabilities correctly sets forth the true financial condition of the Company on December 31, 1925.

Richmond, Virginia, January 26, 1926.

H. B. BOUDAR & SON,  
Certified Public Accountants.

## Statement of Operations During 1925

GROSS INCOME .....	\$ 12,828,556.24
INCREASE IN GROSS INCOME .....	1,091,898.99
INCREASE IN ASSETS .....	5,041,384.23
INCREASE IN INSURANCE RESERVE .....	3,753,431.00
SURPLUS .....	3,622,575.15
INSURANCE IN FORCE .....	\$292,834,191.00
INCREASE IN INSURANCE IN FORCE .....	19,293,516.00
TOTAL NUMBER OF POLICIES IN FORCE .....	1,177,042
INCREASE IN NUMBER OF POLICIES IN FORCE .....	44,032
DEATH CLAIMS, ETC., PAID TO POLICYHOLDERS .....	\$ 3,392,156.76

Total Payments to Policyholders Since Organization, \$39,176,371.91

## Growth of the Company Since 1901

Year.	Gross Income for the Year.	Assets at End of Year.	Number of Policies in Force At End of Year.	Outstanding Insurance at End of Year.	Year.
1901	\$1,195,319.08	\$1,060,330.90	270,566	\$29,845,450.00	1901
1905	1,966,159.87	2,391,477.81	404,408	49,021,276.00	1905
1910	3,062,146.08	6,328,704.57	542,293	72,440,374.00	1910
1915	4,345,167.63	12,629,857.65	676,374	104,822,701.00	1915
1920	8,177,525.44	24,143,510.56	939,050	207,301,719.00	1920
1925	12,828,556.24	46,562,667.40	1,177,042	292,834,191.00	1925

### Contracts for \$250,000 School Building.

Tulsa, Okla.—Contracts have been awarded for the Grover Cleveland junior high-school building here, to be erected at a final cost of approximately \$250,000. The building will be two stories, to accommodate 900 students, and will contain a gymnasium, auditorium, offices, science and class rooms. Leland M. Shumway of Tulsa is the architect, and Gillham, Cook & White of Kansas City, Mo., engineers. The following are the contractors, all of Tulsa: J. W. Wilson, general construction, at \$168,486; Dunbar Plumbing Co., heating and ventilating, \$37,000; Watt Plumbing & Heating Co., plumbing, \$20,936, and Dodge Electric Co., electrical work, at \$9167.

### To Erect \$1,500,000 Apartment Building.

West Palm Beach, Fla.—The erection of a 10-story apartment building to cost \$1,500,000 is being promoted by Simon Rath, Samuel Lerner and A. Gussow, all of New York, according to a statement by P. N. Hiatt, a local attorney connected with the law office of M. D. Carmichael, who is handling legal details. It is stated that there will be about 200 apartments in the building and a number of shops on the ground floor. Howard Major of Palm Beach is collaborating with New York architects in the preparation of plans and specifications.

### Co-Operative Marketing Association in Texas— Capitalized at \$10,000,000—To Establish Chain of Plants.

The Texas Food Packers, San Antonio, a co-operative marketing association, has been incorporated under Texas laws with an authorized capital stock of \$10,000,000, of which one-half will be common and the other half preferred stock. D. B. Chapin of San Antonio, general manager, advises the MANUFACTURERS RECORD that it is the purpose of the corporation to establish a chain of canning, preserving and cold-storage plants throughout Texas in order to conserve food products of Texas farmers and to distribute them under one label and through one selling agency. The organization expects to build for the next season a number of these plants in the eastern part of the state, which is especially adapted to the production of fruits and vegetables.

### New Seven-Story Hotel for McComb.

McComb, Miss.—According to an announcement by Xavier A. Kramer of this city, the McCloghan-Kramer interests plan to erect a seven-story hotel here as an addition to the present McCloghan Hotel. The new structure will also contain offices for professional men and will be equipped with elevators.

### FLORIDA'S SAFEST INVESTMENT

Shares in its old-established  
Building and Loan Associations

Become a member of the Lakeland Building and Loan Association and invest in its capital stock.

**RETURNS 8% WITH  
100% SECURITY**

Dividends of 2% are payable, in cash, every three months on full paid shares.

Subject to Supervision and Examination of the Comptroller of the State of Florida.

Lakeland, Florida's highest city; Florida's largest inland city, finest climate and best water in the State; in Polk County, the largest citrus-producing county in the world.

*Let us tell you how you may take advantage  
of these facts and increase your income.*

*Ask us to send you our booklet.*

**LAKELAND BUILDING AND LOAN  
ASSOCIATION**

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Chas. Warner Smith, Vice-President.  
Harry W. Davis, Secretary and Treasurer.

WILMER BLACK, C. P. A.

ROBERT W. BLACK, C. P. A.

**BLACK & COMPANY**  
CERTIFIED PUBLIC ACCOUNTANTS

OFFICES:

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Suite 403 FIRST NAT'L BANK BLDG. - HAGERSTOWN, MD.

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of highest quality and the prompt and satisfactory  
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Manufacturers Record

BALTIMORE, MD.



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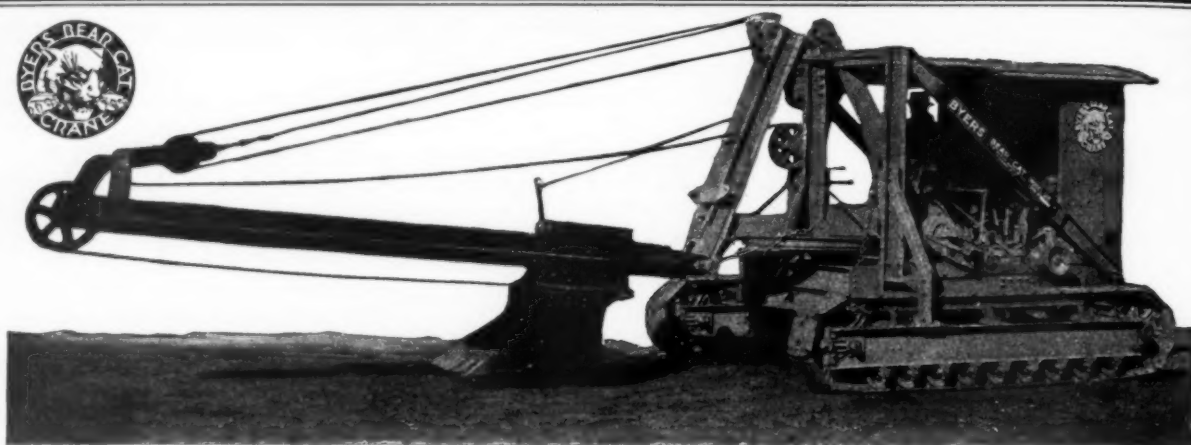
## *Produces:*

Sulphite, Soda, and Sulphate Bleached Chemical  
Pulps, Book Paper, Envelope Paper, Post Card,  
Old North State Water Marked Bond, Container  
Board, Chemical Lime, Caustic Soda, Fused and  
Liquid, Chestnut Extracts, Foundry Core Binder  
and Adhesives.

SOUTHERN PRODUCTS  
SOUTHERN RAW MATERIALS  
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*The Champion Fibre Company Encourages Scientific Forestry,  
Maintaining Forest Nurseries, Protects Timber From Fire  
to the End that the Forest Areas of the Southern  
Appalachians May Be Perpetually Productive  
as well as Perpetually Beautiful.*



## New Bear Cat has Combination Boom

**SOUTHERN DISTRIBUTORS:**  
 C. H. Collier, Factory Representative, Mason Hotel, Jacksonville, Florida.  
 I. E. Schilling Company, Miami, Florida.  
 Holt-Texas Equipment Co., 801 Ross Ave., Dallas, Texas.  
 W. A. Neal & Son, Inc., 137 Marietta St., Atlanta, Ga.  
 G. C. Phillips Tractor Co., 116 N. 17th St., Birmingham, Ala.  
 Wormington Machinery, Power & Equipment Co., 844 Tchoupitoulas St., New Orleans, La.

The Bear Cat is now offered with one boom accommodating both the Skimmer and Ditcher attachments, which consequently lessens the time required to change over from one attachment to the other and correspondingly reduces the initial cost to the purchaser. This boom may also be used for such work as handling bottom dump buckets, lowering pipe, and similar operations.

Are you going to get set for 1926 competition and 1926 profits with a Bear Cat and one or more interchangeable attachments?

A Bear Cat usually earns its cost before you've begun to figure depreciation on it. You can't afford to overlook it this year even if you have up till this time.

THE BYERS MACHINE CO.

Ravenna, Ohio

# BYERS BEAR CAT

THE ALL-PURPOSE ONE MAN CRANE

## SPEEDER

Half-Yard  
SHOVEL—CRANE  
DRAGLINE

Write for Details

Speeder Machinery Corporation, Fairfield, Iowa



## HORTON TANKS

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 Surge tanks Steel plate construction  
 Write for quotations.

CHICAGO BRIDGE & IRON WORKS

CHICAGO: 2106 Old Colony Bldg.; NEW YORK: 3113 Hudson Terminal Bldg.; DALLAS: 1608 Praetorian Bldg.; ATLANTA: 1045 Healey Bldg.; SAN FRANCISCO: 1040 Rialto Bldg.; HAVANA, CUBA: Apartado 2507. MR-R-RTG

## Just the Machine Your Factory Carpenter Needs

Get faster work from your carpenter shop and shipping room with this fast-working, low-priced Parks Cabinet Shop Special No. 7. One man with this Parks does more than four hand carpenters. Pays for itself in the average factory in six months in time saved. Circular rip and cross-cut saw, jointer, band saw and motor complete \$290.00. Operates from any light socket. All steel construction. Send for Parks Circular No. 10.

The Parks Ball Bearing Machine Co.  
 1544 Knowlton St. CINCINNATI, O.

Canadian Factory:  
 200 Notre Dame East, Montreal, Canada



WOODWORKING **PARKS** MACHINES

## How to make advertising profitable

ADVERTISING is a great creator, the greatest creator of business when wisely done, but poor or badly worded advertisements failing to give instruction to the reader, fail to get the desired results.

There are thousands of people in this country who read the advertising pages of the newspapers, especially the business papers, to a greater extent than they read the editorial and news columns.

There is a vast fund of information in the advertisements of about one thousand leading American business interests in this paper. A thousand or more men are weekly telling our readers what they have to sell, whether it be machinery or financial credit or a thousand and one different things entering into business life.

Whether one reads the editorials of newspapers or not, he should at least read and study the advertising pages, for in them he will find many new ways of doing business and many new ways of enlarging trade. The intelligent reading of advertisements is as important as the intelligent presentation of them.

IT WILL PAY TO MAKE ADVERTISEMENTS  
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—Manufacturers Record, Baltimore, Md.





# PROPOSALS

BOND ISSUES

BUILDINGS

PAVING

GOOD ROADS



Bids close February 23, 1926.

## \$45,000 5% Paving Bonds

Notice is hereby given that sealed bids will be received at the office of the City Clerk of Thomaston, Ga., not later than 12 o'clock noon February 23, 1926, on the Paving Bonds issued by said city in the sum of \$45,000, said bonds dated January 1, 1926, in denominations of \$1000 each; bear interest at 5% per annum, payable semi-annually on first day of July and January of each year; \$5000 of principal to be paid on 1st day of January of 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955 and on December 31, 1955; principal and interest payable at Hanover National Bank in New York City. A certified check for 2% of the par value of such issue must accompany each bid, made payable to City of Thomaston. Right to reject any or all bids reserved. Purchaser to bear expense of printing bonds. This 25th day of January, 1926.

CITY OF THOMASTON, GEORGIA.  
By HUGH K. THURSTON, Mayor.  
W. W. McMILLAN, City Clerk.

Bids close March 22, 1926.

## \$215,000 6% Municipal Improvement Bonds

NOTICE IS HEREBY GIVEN that the City Council of the City of Okeechobee, Florida, will receive sealed bids for the purchase of "City of Okeechobee Municipal Improvement Bonds, Issue of 1926," in the aggregate sum of Two Hundred Fifteen Thousand (\$215,000) Dollars at the office of the City Clerk in the City of Okeechobee, Okeechobee County, State of Florida, until two o'clock P. M. March 22, A. D. 1926.

The bonds to be sold on this date shall be in denominations of One Thousand (\$1000) Dollars each and to bear interest, payable semi-annually, at the rate of six per centum per annum, both principal and interest payable at the Bank of Okeechobee, Okeechobee, Florida, or at the American Exchange Pacific National Bank, New York City, New York, at the option of the holder. Said bonds to be dated February 1, A. D. 1926, interest payable on the first day of August and the first day of February of each and every year after date of issuance until maturity of said bonds. The principal will mature and be payable as follows: Twenty-One Thousand (\$21,000) Dollars on the first day of February, A. D. 1946, and Twenty-One Thousand (\$21,000) Dollars on the first day of February of each and every year thereafter up to and including the first day of February, A. D. 1954; and Twenty-Six Thousand (\$26,000) Dollars on the first day of February, A. D. 1955.

The City Council reserves the right to reject any and all bids and readvertise the bonds for sale, or to reject all sealed bids and continue the sale by auction.

All bids shall be accompanied by Cashier's check or Certified check without conditions in the sum of One Thousand (\$1000) Dollars, made payable to H. H. De Yarmen, President of the City Council of the City of Okeechobee, Florida. The bonds will be ready for immediate delivery and must be paid for within five days after date of sale.

All bids must be addressed and delivered to the City Clerk on or before the hour of sale named above, at which time all bids submitted will be opened and considered.

The City Council will furnish free of charge to the purchasers the approving legal opinion of Caldwell & Raymond and a transcript of the proceedings leading up to the issuance and sale of said bonds.

H. H. DE YARMEN,

President of City Council of City of Okeechobee, Florida.

Attest:

R. P. FLETCHER,

City Clerk of City of Okeechobee,  
Florida.

(Corporate Seal.)

RATE: 35 cents per line per insertion.

PUBLICATION DAY: Thursday.

FORMS CLOSE: 4 P. M. Monday.

DAY LETTER: When too late to send copy by mail to reach us by 4 P. M. Monday, forward by day letter.

THE DAILY BULLETIN OF THE MANUFACTURERS RECORD:

Published every business day; gives information about the industrial, commercial and financial activities of the South and Southwest.

The Daily Bulletin can be used to advantage when copy cannot reach us in time for publication in the Manufacturers Record before bids are to be opened, or when daily publications are necessary to meet legal requirements.

The same rate applies—35 cents per line per insertion.

Bids close February 22, 1926.

## \$10,000 School Bonds

Ridgeland, S. C.

Notice is hereby given that the School Trustees of Tillman School District No. 5, Jasper County, South Carolina, will receive sealed bids at the office of H. Klugh Purdy, Ridgeland, S. C., until 12 o'clock noon February 22, 1926, for \$10,000 school bonds, dated February 1, 1926. Mature \$1000 each year commencing February 1, 1928, except \$2000 will mature on February 1, 1938. Interest not to exceed 6%. No bonds on district; assessed valuation \$441,578. A certified check for \$500, payable to H. C. Jaudon, Chairman, must accompany each bid. Trustees reserve the right to reject any and all bids.

H. C. JAUDON, Chairman.

Bids close March 4, 1926.

## \$515,000 6% Road and Bridge Bonds

CLAY COUNTY, FLORIDA, SPECIAL ROAD AND BRIDGE DISTRICT NO. 4.

Green Cove Springs, Fla.

Notice is hereby given that the Bond Trustees of the Special Road and Bridge District No. Four of Clay County, Florida, will receive bids until 2 P. M. March 4, 1926, at the City Hall, Green Cove Springs, Florida, for \$515,000 6% Road and Bridge Bonds.

Said bonds are dated July 1, 1925.

\$50,000 payable December 1, 1930.

\$50,000 payable December 1, 1935.

\$75,000 payable December 1, 1940.

\$100,000 payable December 1, 1945.

\$100,000 payable December 1, 1950.

\$140,000 payable July 1, 1955.

Bonds are in the denominations of \$1000 each; interest payable semi-annually, July 1 and January 1, at the National Bank of Commerce, New York, or Bank of Green Cove Springs, Fla.

All bids must be accompanied by a Cashier's check in the sum of two per cent (2%) and addressed to M. W. Griffith, Chairman, Green Cove Springs, Fla.

M. NEFF, Secretary.

P. H. ODUM, ESQ., Jacksonville, Fla.,

Attorney Bond Trustees.

JOHN C. THOMSON, ESQ., New York, N. Y.,

As to legality.

Bids close February 20, 1926.

U. S. ENGINEER OFFICE, Florence, Ala. Sealed proposals will be received here until 11 A. M. February 20, 1926, and then opened, for the sale of seven 10-ton revolving traveling cranes and two 10-ton gantry cranes with 4-yard clamshell buckets, all electrically operated, at Wilson Dam, Tennessee River. Further information on application.

Bids close February 23, 1926.

## \$125,500 5% Improvement Bonds

ISSUE OF 1925, SECOND SERIES.

Live Oak, Fla.

Notice is hereby given that the undersigned, Bond Trustees of the City of Live Oak, suwannee County, Florida, will receive sealed bids after thirty days from January 14, 1926, and prior to February 23, 1926, at 10 o'clock A. M., at the City Hall in the City of Live Oak, Florida, for 251 Improvement Bonds of the City of Live Oak, Fla., Issue of 1925, Second Series, in the denomination of \$500 each, dated November 1, 1925, and maturing thirty years after date and drawing interest at the rate of five per cent per annum from date, and payable semi-annually on January 1 and July 1, respectively. Said bids shall be opened at 10 o'clock A. M. February 23, 1926, at the City Hall in the City of Live Oak, Florida. Bids will be received for all or any portion of said bonds, and each bid must be accompanied by a cashier's check, or a certified check in an amount equal to ten per cent of the amount of such bid. No bid will be received or considered in an amount under ninety-five per cent of the face value of any bond or bonds. The Bond Trustees reserve the right to reject any or all bids.

E. S. CONNER,

J. W. WEST,

W. C. WHITE,

Trustees.

Bids close March 9, 1926.

## \$250,000 5½% Bonds

West Palm Beach, Fla.

Notice is hereby given that the Board of Commissioners of the Lake Worth Inlet District of Palm Beach County, Florida, will offer for sale at public auction at 11 o'clock A. M. March 9, 1926, at Rooms 211-214 Wagg-Willson Building, West Palm Beach, Florida, Bonds of said District in the par value of \$250,000, dated January 1, 1926, bearing 5½% interest, payable semi-annually on July 1 and January 1 in each year, payable serially in numerical order as follows: \$5000 on January 1 of each of the years 1931 to 1940, both inclusive; \$10,000 on January 1 of each of the years 1941 to 1945, both inclusive; \$14,000 on January 1 of each of the years 1946 to 1950, both inclusive; and \$16,000 on January 1 of each of the years 1951 to 1955, both inclusive. Certified check or bank cashier's check from any bank in West Palm Beach or Palm Beach, Florida, or New York exchange, made payable to the District for five per cent of the par value of the bonds, must be tendered by each bidder as and for liquidated damages in case the purchaser fails to enter into a contract in accordance with his bid, or fails to comply with terms of contract. Bonds have been validated by Circuit Court of Palm Beach County, Florida. Unqualified approving opinion of Messrs. Caldwell & Raymond, 115 Broadway, New York City, will be furnished purchaser without charge. Bonds ready for immediate delivery. The District reserves the right to reject any and all bids. Further details and information may be had by applying to Messrs. Chillingworth & Simon, Attorneys, Postoffice Box 1956, West Palm Beach, Florida.

Dated at West Palm Beach, Florida, this 13th day of February, A. D. 1926.

C. H. ELLIS,

Secretary-Treasurer.

Bids close February 24, 1926.

**TREASURY DEPARTMENT.** Office of the Supervising Architect, Washington, D. C., Feb. 3, 1926. **SEALED PROPOSALS** will be opened in this office at 3 P. M. Feb. 24, 1926, for extending the mailing vestibule and driveway, including incidental changes in the mechanical equipment of the United States Post Office at Paragould, Ark. Drawing and specifications may be obtained from the Custodian of the building or at this office in the discretion of the Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

Bids close March 8, 1926.

### Highway Improvements

Sebring, Fla.

Sealed proposals for Highway Improvements are invited and will be received by the Board of County Commissioners of Highlands County, Florida, at the Court House in Sebring until 11 A. M. March 8, 1926, at which time they will be opened and read in public.

The work involved will consist of the following approximate quantities: Resurfacing with two-coat asphalt treatment on old limestone roads, 277,000 sq. yds.; widening, rebuilding and surface treatment with two-coat asphaltic treatment and limestone or other suitable base, 66,000 sq. yds.; three small concrete drainage structures. Bonds in the amount of \$287,000 have been authorized for this work.

Bids are invited for furnishing all materials, labor, tools and equipment required to construct the above work according to plans and specifications of the Engineers, which plans and specifications may be seen at the offices of the Engineers in Orlando, Florida, or at the office of the Clerk of the County Board at Sebring after February 10, and copies of the plans and specifications may be had from the Engineers upon making a deposit of \$2 for the specifications, or \$10 for both plans and specifications, one-half of which will be returned to bona fide bidders upon the return of the plans and specifications in good condition within two weeks after bids are received.

Each bid must be accompanied with a certified check or a corporate surety bid bond on a well-known and reliable bonding company, authorized to do business in Florida, to the amount of five (5%) per cent of the bid offered and not less than \$500, same to be made payable to the Clerk of the County Board of Highlands County without recourse.

All bids must be on blank bid forms provided by the Engineers and placed in a sealed envelope, addressed to the County Board and endorsed: "PROPOSALS FOR HIGHWAY IMPROVEMENTS." The County prefers to let the work as a whole, but reserves the right to waive technicalities and award the work in sections to separate bidders for labor and materials, or to let such parts of the work as may, in the judgment of the Commissioners, be to the best interest of the County and reserves the right to reject any or all bids.

Contractors are cautioned to examine the plans and specifications, form of contract and bond, and conditions under which the work is to be done thoroughly before bidding.

L. C. PEARCE,

Chm. Board of Commissioners.

C. F. SAUNDERS,

Clerk Board of Commissioners.

THE BISHOP ENGINEERING CO.,  
116½ S. Orange Ave.,  
Orlando, Florida,  
Engineers.

Bids close March 2, 1926.

### Roads and Bridges

OFFICE OF THE STATE ROAD  
DEPARTMENT

Tallahassee, Fla., Feb. 1, 1926.

Sealed bids will be received at this office until 10.30 A. M. on the 2nd day of March, 1926, for the construction of the following projects:

Project 644-A, Road No. 10, Wakulla County, between the Wakulla River and Lost Creek Bridge, approximately 10.35 miles in length. Work to consist of clearing, grubbing, grading and constructing the necessary drainage structures.

Projects, 617 and 618, Road No. 5, Alachua County from High Springs to Archer District Line, approximately 16.06 miles in length. Work to consist of laying a Base of Florida Lime Rock, 8 inch compacted. Both projects will go as one contract.

Project 641-B, Road No. 4, Palm Beach County, being two Bridges. One bridge across the East Coast Canal 156 feet long, composed of a double-leaf bascule span 60 feet clear between fenders, and a 27-foot concrete deck girder approach on each side, the other bridge being across Earman River, consisting of three 27-foot concrete deck girders on concrete piers and abutments.

Project 656, Road No. 4, Palm Beach County, being a concrete bridge 727 feet long composed of 21 concrete deck girder spans of 27 feet each and one double-leaf bascule span 60 feet clear between fenders.

Project 672-B, Road No. 1, Leon County, consisting of two bridges, Bridge No. One across the Ochlocknee River, being one steel span 120 feet in length on concrete piers, with 1180 feet of approach span. Bridge No. Two, across River Swamp, being 650 feet in length. Alternate bids will be considered on cross-tied timber and concrete deck girders on concrete pile bents for the approaches to Bridge No. One and for Bridge No. Two.

Project 633-B, Road No. 1, Gadsden County, being two reinforced Concrete Structures. One an Overhead Crossing 124 feet in length composed on three 38-foot deck girder spans. The other bridge across Creek at Cattanahoochee, being 116 feet long, composed of 4 26-foot deck girder spans.

All work to be done in accordance with plans and specifications of the State Road Department.

A Certified Check or bidder's bond made payable to the Chairman of the State Road Department in the sum of five (5%) per cent of the amount bid must accompany each proposal.

Plans may be examined at this office, at the office of the Division Engineer, and may be obtained upon application to this office, accompanied by a \$5.00 deposit for each set of plans, which deposit will be refunded if plans are returned in good condition within ten days after bids have been received, by a Bona Fide bidder.

The right is reserved to reject any or all bids, and to award bascule spans separately or together with other items.

F. A. HATHAWAY,

Chairman.

J. L. CRESAP,

State Highway Engineer.

Bids close March 2, 1926.

### Cement Concrete Sidewalk

Sealed proposals will be received by the City Commissioners of the City of Punta Gorda, Florida, at the City Hall for furnishing all labor and material for constructing sidewalks in and for the City of Punta Gorda until 2 o'clock P. M. March 2, 1926, at which time they will be opened and read publicly.

The work includes the furnishing of all labor, material, machinery and equipment of every kind necessary to construct approximately 32,000 square yards of cement concrete sidewalk.

Each bid must be accompanied by a certified check on a bank satisfactory to the City Commissioners, or a bidder's bond acceptable to the City Commissioners for five per cent (5%) of the amount bid, drawn to the order of the City of Punta Gorda, Fla.

A bond in the amount of 25% of the contract, with satisfactory security through a Punta Gorda agency, will be required for the faithful performance of the work.

All bids will be compared on the basis of the Engineer's estimate of the amount of work to be done.

Copies of specifications may be obtained from the City Clerk, which will be furnished by the Engineers.

Plans may be seen at the office of the Engineers at Punta Gorda, Florida, or Atlanta, Georgia, also at the City Hall, Punta Gorda.

The right is reserved to reject any or all bids.

CITY OF PUNTA GORDA, FLORIDA.

J. R. JACK, Mayor.

J. B. McCrory ENGINEERING  
CORPORATION, Engineers,

Atlanta, Georgia.

January 29, 1926.

Bids close March 25, 1926.

### Roads and Culverts.

Daytona Beach, Fla.

Sealed proposals will be received by the Ocean Shore Improvement District, a public corporation of Flagler and Volusia Counties, Florida, through its Board of Bond Trustees at the office of the Secretary of said Board at Daytona Beach, Florida, until 2 o'clock P. M. on the 25th day of March, A. D. 1926, for the construction of certain roads and culverts in said district as shown described in the plans and specifications for said construction work. The work will comprise about forty (40) miles of paving twenty (20) feet in width, about Three Hundred (300) acres of clearing and grubbing, and approximately Three Hundred Thousand (300,000) cubic yards of earth embankment.

Bids will be received on the whole or any section or sections of the work.

Plans and specifications may be examined at the office of the Engineer of the District in Daytona Beach, Florida, or for the sum of Twenty-five (\$25) Dollars may be obtained on applying at the office of C. M. Rogers, the Engineer of said District.

Each bidder must accompany his bid with a certified check for Twelve Thousand (\$12,000) Dollars, made payable to the order of W. H. Courtney, Secretary of the Board of Bond Trustees of Ocean Shore Improvement District.

The right is reserved to reject any or all bids, either in whole or in part, or to accept any bid either in whole or in part, as the best interests of the District may appear.

### OCEAN SHORE IMPROVEMENT DISTRICT.

(Corporate Seal)

By ED. JOHNSON,

L. O. UPSON,

FRANK BRADLEY,

R. E. NIVEN,

W. H. COURTNEY.

As and constituting the Board of Bond  
Trustees of said District.

C. M. ROGERS, Engineer in Charge,  
Daytona Beach, Florida.

Bids close March 12, 1926.

### Paving and Sewers

Vero Beach, Fla.

Sealed proposals will be received by the City Council of the City of Vero Beach, Florida, at the City Hall, until 8 P. M. March 12, 1926, at which time they will be publicly opened and read, for the following work.

23,000 cu. yds. of subgrading.

62,842 sq. yds. of waterbound macadam paving with asphalt surface treatment.

45,251 lin. ft. of combined curb and gutter.

1,500 lin. ft. of 10-inch vitrified pipe storm sewer.

645 lin. ft. of 12-inch vitrified pipe storm sewer.

395 lin. ft. of 15-inch vitrified pipe storm sewer.

130 lin. ft. of 30-inch vitrified pipe storm sewer.

40 4 concrete storm sewer bulkheads.

600 lin. ft. of 60-inch segment block culvert.

377 lin. ft. of 18-inch vitrified pipe storm sewer.

The City reserves the right to award contract to separate sections of the work and to reject any or all bids, and to waive any or all technicalities in awarding the contract.

All bids must be upon the blank forms provided in the Proposal, Specifications and Contract.

Each bid must be accompanied by a certified check for 5% of the amount of the bid and the Contractor must provide a construction bond for 100% of his bid.

Plans, specifications and form of contract and bond may be examined at the office of Carter & Damerow, Engineers for the City of Vero Beach, Florida, or sets may be obtained from them by making a deposit of Twenty-five Dollars (\$25.00). Fifteen Dollars (\$15.00) of which will be refunded on their return within fifteen (15) days following the date of opening bids.

H. G. REDSTONE,

City Clerk.



Bids close March 2, 1926.

**Sewer System**

Jacksonville Beach, Fla.

Sealed proposals will be received by the City Commission of the City of Jacksonville Beach, Florida, until 3 o'clock P. M. on Tuesday, March 2, 1926, for the furnishing of all material and construction of a complete sewer system. Bids will be compared on a basis of unit prices for the estimated quantities following:

5,370 lin. ft. 6-inch T.C. Sewer.  
15,320 lin. ft. 8-inch T.C. Sewer.  
1,370 lin. ft. 10-inch T.C. Sewer.  
1,170 lin. ft. 8-inch C.I. Sewer.  
4,300 lin. ft. 10-inch C.I. Sewer.  
30 lin. ft. 12-inch C.I. Sewer.  
540 Y Branches.  
4,400 lin. ft. 12-inch Force Main.  
40 vertical ft. "Filling in Existing Manholes."  
72 Manholes.  
2 Automatic Flush Tanks.  
2,000 lin. ft. Pile Foundations for T.C. Pipe.  
5,500 lin. ft. Pile Foundations for C.I. Pipe.  
500 lin. ft. Paving to take up and replace.  
Pumping Station No. 1.  
Pumping Station No. 2.

All work shall be in accordance with plans and specifications therefor on file in the office of the City Commission and of the George B. Hills Company, Engineers, Jacksonville, Florida. Copy of plans and specifications may be obtained from the Engineers upon deposit of \$25, which will be returned to bona fide bidders upon return of plans and specifications in good order within one week after day of letting.

A certified check on a Jacksonville or Jacksonville Beach bank, or on some National Bank, in the amount of \$2500 must accompany each bid as a guarantee that the bidder will, if awarded the contract, promptly enter into agreement to perform the work and furnish the required bond.

The printed instructions to bidders and General Stipulations included in the Specifications for the work must be strictly complied with, and said Specifications shall be considered as part of this advertisement.

Each bid shall be addressed to the "City Commission" and delivered by mail or otherwise at the office of the Secretary at Jacksonville Beach, Florida.

The Commission reserves the right to reject any or all bids or to award contract for any part of any bid.

NEAL FINKLESTEIN, Chairman.

Attest:  
C. U. SMITH, Secretary.

Bids close March 16, 1926.

**Sewers****CONTRACT 11.****SEWER DISTRICT.**

West Palm Beach, Fla.

Sealed proposals will be received by the City Commission of the City of West Palm Beach, Florida, up to 12 o'clock noon on March 16, 1926, for furnishing all labor and material for the construction of sanitary and storm water sewers in the Central Borough and portion of the South Borough, Sewer District 11, in accordance with the plans and specifications for Contract 11 on file in the office of the City Manager of said city.

Each proposal must be accompanied with a certified or cashier's check in the amount of two and one-half per cent (2½%) of the amount of the proposal, made payable to the City of West Palm Beach, Florida, as a guarantee that within ten days from notice of awarding of contract the successful bidder will enter into a written contract with the City, and furnish acceptable bond in the amount of one hundred (100) per cent of the amount of the proposal conditioned upon the carrying out of said contract. Checks of unsuccessful bidders will be returned. Each proposal must be sealed and addressed to the City Manager of the City of West Palm Beach, Florida, and shall be in the office of the City Manager not later than 12 o'clock noon on the sixteenth day of March, 1926.

Plans, specifications and blank proposals may be obtained at the office of the City Manager, or at the offices of Fuller & McClintock, 170 Broadway, New York City, and Summit-Cherry Bldg., Toledo, Ohio. The City Commission reserves the right to reject any or all proposals and to award the contract in the best interests of the City of West Palm Beach, Florida.

The amount of work will be approximately as set forth in the following description of Contract 11:

**DESCRIPTION OF CONTRACT 11.**

Principal Items.  
Sanitary Sewers With Plastic Joints.  
135,300 linear feet 8-inch vitrified pipe sewer.  
7,400 linear feet 10-inch vitrified pipe sewer.  
3,000 linear feet 12-inch vitrified pipe sewer.  
4,000 linear feet 15-inch vitrified pipe sewer.  
1,800 linear feet 18-inch vitrified pipe sewer.  
400 linear feet 21-inch vitrified pipe sewer.  
Storm Water Sewers With Cement Joints.  
800 linear feet 12-inch vitrified pipe sewer.  
23,000 linear feet 15-inch vitrified pipe sewer.  
14,400 linear feet 18-inch vitrified pipe sewer.  
6,000 linear feet 21-inch vitrified pipe sewer.  
5,200 linear feet 24-inch vitrified pipe sewer.  
3,400 linear feet 27-inch vitrified pipe sewer.  
2,500 linear feet 30-inch vitrified pipe sewer.  
2,500 linear feet 33-inch vitrified pipe sewer.  
2,900 linear feet 36-inch vitrified pipe sewer.

Alternate bids will be received on the 30-inch and 36-inch storm water sewers for segmental tile block and reinforced concrete pipe.

Storm Water Sewers of Segmental Tile Block or Reinforced Concrete Pipe.  
3,450 linear feet 42-inch sewer.  
725 linear feet 48-inch sewer.  
3,750 feet of depth of manholes.  
61,000 linear feet 6-inch vitrified pipe house connections.

(Signed) C. A. BINGHAM.

City Manager.

(Signed) H. J. DAUGHERTY,

City Clerk.

T. B. HENRY,

City Engineer.

Bids close March 4, 1926.

**Water-Works Improvements**

McMinnville, Tenn.

Sealed bids for improvements to the Water Works at McMinnville, Tenn., will be received by the Mayor and Board of Aldermen at the office of the City Recorder until 1.30 P. M. March 4, 1926, at which time and place they will be publicly opened and read. The improvements proposed consist of:

(1) An intake and low-lift pumping station.

(2) A complete rapid sand filtration plant of the gravity type, in three units, each of 500,000 gallons daily capacity (two to be equipped at present).

(3) A concrete reservoir of 250,000 gallons capacity.

(4) An elevated steel tank of 100,000 gallons capacity.

(5) Additions and replacements for the distribution system.

The work will be awarded in four contracts, as follows:

A. Furnishing six centrifugal pumps and electric motors.

B. Furnishing and installing filter equipment.

C. Concrete work, installation of pumps, water mains and miscellaneous items.

D. Furnishing and erecting elevated tank. Plans and specifications will be ready about February 15; they may be examined at the office of the Recorder in McMinnville or at the office of the Engineers, or a copy may be obtained from the Engineers upon receipt of a deposit of \$15, of which amount \$10 will be refunded when the plans and specifications are returned in good condition. For plans only, or specifications only, a deposit of \$7.50 is required. If further information is desired, address the Engineers.

The right is reserved to reject any or all bids and to waive informalities.

Each bid must be accompanied by a certified check, drawn on a responsible bank or trust company, and made payable to Edgar Henegar, Recorder, for a sum not less than 5% of the bid; or a bidder's bond for the same amount by a surety company authorized to do business in the State of Tennessee. Successful bidders will be required to furnish performance bond in the sum of 50%

of the contract price. Contractors will be paid in cash monthly on the basis of 90% of the value of work done and materials furnished.

J. FLOYD JOHNSON, Mayor.  
EDGAR HENEGAR, Recorder.  
KLYCE & HARRUB, Engineers,  
506 Fourth and First National Bank Building, Nashville, Tenn.

Bids close March 2, 1926.

**Addition to Courthouse**

Clearwater, Fla.

Sealed bids will be received by the Board of County Commissioners of Pinellas County, Florida, until 2 o'clock P. M. March 2, 1926, for the erection of an addition to the Pinellas County Court House at Clearwater, Florida, according to plans and specifications filed therein.

Each proposal must be accompanied by a certified check in the sum of \$500, drawn on a Pinellas County Bank, payable to the order of Pinellas County, as a guarantee of good faith.

Successful bidder will be required to enter into contract and give Surety Bond for the faithful performance of same.

Plans and specifications may be obtained from Francis J. Kennard & Son, Architects, Krause Building, Tampa, Florida, on deposit of \$15, which will be refunded on return of plans and specifications in good condition.

Oil-Burning Equipment shown on page 32 of the specifications shall be omitted.

The Board reserves the right to reject any or all bids.

K. B. O'QUINN, Clerk Circuit Court.  
[Seal.]

Bids close March 2, 1926.

**Court House**

Woodbine, Ga.

Sealed bids will be received by the undersigned until 12 o'clock noon on the first Tuesday in March, 1926, at his office at Woodbine, Georgia, for the erection of a Courthouse for Camden County, Georgia, and at said time will be opened by the Commissioners of Roads and Revenue of said county. Plans and specifications showing time and terms of payment are on file in my office, subject to inspection, or copies of same may be had of the Architect, J. DeBruyn Kops, 724 Collins avenue, Miami Beach, Florida, by depositing with him certified check for Twenty-five Dollars to insure their safe return. All bids must be accompanied with a certified check of one per cent of the bid to the property of Camden County, if the bid is accepted and bidder fails to enter into proper contract and bond in accordance with it. The Commissioners reserve the right to reject any and all bids and to waive any informality in the bids.

This January 5, 1926. By order of the Commissioners.

C. J. COLE,  
Clerk Commissioners of Roads and Revenue of Camden County, Georgia.

Bids close March 2, 1926.

**Courthouse Improvements**

Bartow, Fla.

The Board of Commissioners for Polk County, Florida, hereby invites proposals for making certain Additions and Improvements to the Courthouse at Bartow, Florida, according to Drawings and Specifications prepared by Francis J. Kennard & Son, Architects, Tampa, Florida.

Copies of Plans and Specifications may be obtained on application to the Architects and on deposit of the sum of Twenty-five Dollars (\$25.00), which will be refunded on their return in good condition.

Each proposal must be accompanied by a certified check for One Thousand Dollars (\$1000), payable to the order of the Board of Commissioners for Polk County, as a guarantee that, if awarded the contract, the party submitting such proposal will execute the contract in accordance with the terms of the specification, and a Surety Bond satisfactory to the Board in the sum of Fifty Thousand Dollars (\$50,000) within thirty days after the award of said contract.

Proposals to be sealed and addressed to the Board of Commissioners for Polk County, and delivered at the office of the Clerk to the Board in the Courthouse at Bartow not later than 1.30 P. M. on Tuesday, March 2, 1926.

The right to reject any or all proposals is hereby reserved by the Board.

J. D. RAULERSON,  
Clerk Board County Commissioners  
Polk County, Florida.



## CLASSIFIED OPPORTUNITIES



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322,400 ACRES mineral and coal lands, Tennessee. Fine agricultural lands; no hills or mountains. Geographical survey shows 500,500,000 tons high-grade iron ore, 100,000,000 tons excellent coal. Cruised to cut 662,000,000 feet hardwoods and pine. Gas and oil obtainable. Five mines now in operation; good railroad facilities; guaranteed title. Price \$14.00 per acre in fee simple.  
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The scene of the next great industrial development in Georgia. Electric power available. Large power plants under construction.

For industrial sites; pine and hardwood timber; brick shales; clays; large or small water powers; farms in a prosperous section. Write, with detail, as to your requirements.

C. E. VANCE, Calhoun, Ga.

#### BAUXITE DEPOSITS.

**FOR SALE**—Good Bauxite deposits, near railroad, and easily mined.

POLK REALTY COMPANY,  
309 Boyle Bldg.,  
Little Rock, Ark.

#### SOAPSTONE DEPOSIT

**PROVEN SOAPSTONE**, continuous vein, in Orange County, Virginia, of 78 million cubic feet. Quarry operating. Cores of entire deposit are on exhibition. Excellent quality and suitable for all commercial purposes. Report of Richard K. Meale & Company of Baltimore and other information on request. Additional capital desired for machinery and mill. Rapidan Soapstone Corporation, Orange, Virginia.

#### SLATE

**FOR SALE OR LEASE**—194 acres near Esmont, Va. Blue slate, easily split; ¼ mile from railroad; electric power available by March. An opportunity worth investigating. For further information address

H. WARD JONES,  
Gen. Del., Towson, Md.

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H. H. WEFEL, JR., Mobile, Alabama.

**FOR SALE BY OWNER**—15,000 acres hardwood timber. Reliable estimate over 35 million feet. Finest white cane ash and red gum in this country. In Florida. River and rail transportation. Attractive prices and terms. Campbell Lumber Co., Box 1122, Mobile, Ala.

### FARM, FRUIT AND TRUCK LANDS

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**WONDERFUL OPPORTUNITIES**, with unlimited possibilities, for investment on the Gulf Coast at Mobile. The land that steals your heart away. We have factory sites, textile mill, central business property, farms, orange and pecan groves, timber tracts, cutover land, water-front property, homes and desirable building lots at very attractive prices and easy terms. Write us for information and literature. GULF COAST INVESTMENT COMPANY, INC., REALTORS, 32-34 N. Royal St., Battle House Bldg., Mobile, Ala.

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### FARM, FRUIT AND TRUCK LANDS

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Fort Pierce, Florida.

FLORIDA INVESTMENTS — Acreage tracts, timber tracts, subdivisions and hotel sites, any section in Florida. Some bargains with quick turnovers and large profits on small investments assured; 25 years' experience. ASK ANYBODY. N. D. SUTTLES & COMPANY, Jacksonville and West Palm Beach, Fla.

**FOR SALE**—The best large tract of first-class citrus and farming lands in beautiful West Coast Section between Tampa and Sarasota, Fla. Good frontage on railroad. Virgin pine timber, with four thousand foot average per acre; near to highest-class developments. Will sell at cheap price of \$110 per acre on most reasonable terms. Wire or write G. O. Denham, Bartow, Fla.

#### TWENTY ACRES AND PLENTY

Free book tells truth about Florida land; monthly payments \$1 an acre. Orange groves, planted, cared for, 10 per cent above cost.

SYLVESTER E. WILSON,  
Dept. X, Orlando, Fla.

### FARM, FRUIT AND TRUCK LANDS

#### FLORIDA

FLORIDA, "The Ante-Room to Heaven." No state, income or inheritance taxes; the finest year 'round climate in the world; heaviest crops marketed in the winter months, bringing highest prices in the frozen Northern markets. We have an investment, a home, grove or farm for you. Write today for booklet and new list. TAMPA-WEST COAST REALTY CO. (Inc.), Opp. Post-office "Since before the War," Tampa, Fla.

**FOR SALE**—1320 feet Ocean Beach at \$90 a front foot, consisting of 52 acres, 1320 feet on the wonderful Ocean Beach, 1720 feet deep, adjoining the famous Deerfield groves and the Orchid Isles Development and a short distance from the New Wabasso Causeway. Terms, \$30,000 down, balance 1, 2 and 3 years. Title up to date. Wire, write or phone Geo. Fruin or D. W. Hogan, with Hoyt E. Morris Co., at Vero Beach, Florida.

#### FLORIDA PROPERTY.

Acreage, Orange Groves, Farm Lands, Subdivisions and Business Property in the heart of the state that affords exceptional opportunities for investments and developments. Let me act as your broker. I have long been a resident and know the state well, and have never recommended to any purchaser any property that did not enhance in value. References: Munroe & Chambliss National Bank, Chamber of Commerce or any local merchant. C. C. BENNETT, Simmons Block, Ocala, Fla.

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Full information on request—we can buy for you and we can resell for profit.

References: Bradenton Bank & Trust Co.

MANATEE LAND SALES CO.,

Bradenton, Fla.

St. Petersburg Office—560 First Ave. North.

#### MARION COUNTY, FLORIDA.

Townsite and farm development property in Florida's best agricultural region. Marion County, kingdom of the sun. Eight thousand five hundred acres high-grade rolling land, no waste, suitable for citrus or general farming. Twenty minutes' drive from Ocala, the world-famous Silver Springs or beautiful Lake Weir. Served by Atlantic Coast Line Railroad, Seaboard Air Line Railroad and Dixie Highway. Seventy dollars an acre. Write or wire owner,

M. E. LUCAS,  
403 Tampa Street,  
or agent,

PHILIP G. MURPHY, Realtor,  
417 Twiggs Street, Tampa, Fla.  
Brokers invited to co-operate.



## FARM, FRUIT AND TRUCK LANDS

## FLORIDA

CARR & CARR, INC.,  
Realtors,

WEST PALM BEACH, PALM BEACH,  
LAKE WORTH.

References—Any bank or trust company in  
Palm Beach County.

## FLORIDA PROPERTY.

Acreage, Orange Groves, Farms and Business  
Properties in MARION CO.  
Reference and WHO I AM.

Munroe & Chambliss National Bank.  
Chamber of Commerce, Ocala, Fla.  
Mayor Dr. E. G. Peek, Ocala, Fla.

I have lived in Ocala, Fla., for past  
TWENTY years.

I have been member Ocala City Council for  
past SIX years, President of said council  
past TWO years and been re-elected for  
coming TWO years. I can GUARANTEE  
you 100% SERVICE and HONEST judgment  
and dealings.

I have NO land to sell of MY OWN.  
C. E. SIMMONS, Realtor, Box 265.

TO FLORIDA LANDOWNERS AND  
PROSPECTIVE INVESTORS.

We are specialists in Florida real estate.  
Write us in regard to the purchase of acreage,  
lots, subdivision sites or investments in real  
estate in any of its branches. We will  
also furnish you with an accurate, conservative  
appraisal of any holdings you may have in  
this state, our charge for this service  
being \$50 to cover expenses in accurately  
securing information. Our reference is the  
Miami Bank & Trust Company, Miami,  
Florida, this bank acting as trustee for various  
properties purchased by us for our clients,  
the valuation of which exceeds several  
million dollars.

FLORIDA LAND SALES CORPORATION,  
524 Seybold Building,  
Miami, Florida.

## FLORIDA LANDS AND TIMBER.

We handle large tracts of Florida lands  
and would be pleased to communicate with  
those interested in these money-making  
opportunities:

150,000 acres in Gulf County. Cruised to  
cut 175,000,000 feet of virgin timber. Fertile  
land suitable for development. Price  
\$30 an acre.

146,000 acres in Charlotte and Lee Counties.  
17 miles of water frontage on Charlotte  
Harbor. Paved highways and railroads.  
\$65 an acre.

144,000 acres Lee, Collier and Hendry  
Counties. Cruised to cut 500,000,000 feet  
pine and cypress timber. \$40 an acre.

95,000 acres Baker and Bradford Counties.  
Estimated 114,000,000 feet of virgin  
timber. \$11.50 per acre.

If you are interested in Florida acreage,  
large or small, or any kind of property in  
Florida, write us.

HOWARD L. SWISHER & COMPANY,  
Land Merchants,  
Box 3561, St. Petersburg, Fla.

## FLORIDA—MISSISSIPPI—LOUISIANA.

20 acres near Jaxonville, on hard-surfaced  
road, \$1500.

11-acre Factory site outside city limits  
Corinth, on Lee Highway, directly over the  
Muscle Shoals dam, on two trunk-line railroads;  
state exemption, hydro-power cheap,  
cotton, iron and coal near by; ideal location  
for residences. \$4000. Three lots together  
in N. O. \$750; ¼ cash, balance 6%, on  
any of above.

Box 632, Meridian, Miss.

## MISSISSIPPI

## 100,000 ACRES CUT-OVER LANDS.

Located north and west of Gulfport.  
Priced lowest of any land this near Gulfport.  
Inquiries solicited. We have large  
listings of Acreage and Beach Frontage  
which will be submitted on request.

LANGFORD, LATHAM & LEA,

Realtors,

Suite 1, Anderson Theater. Phone 449.  
GULFPORT, MISS.

## FARM, FRUIT AND TRUCK LANDS

## NORTH CAROLINA

CHADBOURN, the largest strawberry  
market, Coxville loam soil the reason; \$1000  
often cleared above expenses from one acre.  
1925 one man cleared \$9000 on 15 acres.  
We have 200-acre farm, every acre Coxville  
loam, very low in price, and a 35-acre farm,  
same soil. Address FARMER, Box 35,  
Chadbourne, N. C.

FOR SALE—700-acre poultry and cotton  
farm located in Piedmont section of North  
Carolina, 40 miles east of Charlotte. Modern  
buildings, electric lights and running  
water. Incubator capacity 10,000. Stocked  
with 3500 best-blooded White Leghorns and  
few Reds. Good proposition. Ill health  
reason for selling. For further particulars  
Brown Creek Poultry Farm, Peachland, N. C.

## SOUTH CAROLINA

## ISLAND, LAND AND TIMBER.

For Sale—Four thousand-acre island, twenty-one  
hundred high, one thousand cleared,  
fine truck land. Island abounds with deer,  
quail and other game. duck pond, high bluffs,  
several beautiful old home sites. Located  
on South Carolina coast; also other salt-water  
frontage, cut-over lands and timber.

J. W. BARNES,

Realtor,

Mendel Building, Savannah, Georgia.

## VIRGINIA

HIGH-CLASS FARM Property, just out-  
side of good town, with buildings and fences.  
well watered, specially adapted and equipped  
for dairying; 109 acres in high state fertility.  
Write for particulars. Owner, Box  
67, Clarksville, Va.

## PECANS

PAPER SHELL PECANS  
"QUALITY IN A NUT SHELL."

Robinson's hand-selected, assorted, large,  
fancy, polished paper shell pecans "hit the  
spot every shot." 5 lbs., \$3.50; 10 lbs.,  
\$6; 20 lbs., \$11; 50 lbs., \$25. Packed in  
neat, strong boxes; sent prepaid any address.  
W. H. ROBINSON (Grower), Cairo, Ga.

The reliable pecan man.

## BUSINESS OPPORTUNITIES

WANTED by an experienced pile driver  
and dredge supt. and mechanic to connect  
with parties having this class of work to do.  
Have some equipment and can give reference  
as to ability and character. Will go anywhere.  
Address Dredging, Box 137, Chester, Va.

COMPLETE Modern Coal Operation, electrically  
equipped, favorable mining conditions.  
Owner's attention required by other  
business. Very reasonable price and terms  
(good securities acceptable as part payment)  
for quick negotiations direct. Write fully.  
BOX 1047, CHARLESTON, W. VA.

I HAVE A CLIENT in the manufacturing  
business in Norfolk, Va., looking for capital,  
with silent or active partner. The business  
is incorporated under the laws of the state  
of Virginia. Business increased in 1925  
\$100,000; could be made to increase, with  
proper financing. \$250,000 during 1926. The  
business now pays 8% on preferred stock. If  
interested address H. H. CULVER, 407  
Warren Crescent, Norfolk, Va.

LOUIS B. BOUCHELLE, JR.,  
Lands at New Smyrna, Florida.  
BUSINESS PROPERTY that will pay a  
profitable income upon the principal  
invested in town that is not dependent  
upon the tourist rush.

DEVELOPED BUSINESS PROPERTY;  
vacant business property ALONGSIDE that  
already improved; Lake and River front  
lots for homes are our specialties. These  
properties are always good and in demand.  
R-E-M-E-M-B-E-R

Florida is daily growing smaller and each  
week's passing makes for higher values.  
Get your piece now.

CITY REALTY COMPANY,

Jno. F. Pearson, Prop.,

7 Ball Building Sanford, Fla.

## BUSINESS OPPORTUNITIES

FLORIDA INVESTMENTS—HOTELS,  
apartments, business properties, sites and  
financing in South Florida cities.  
A. I. V. WILSON CORP.,  
West Palm Beach, Fla.

## OFFER EXTRAORDINARY.

190 acres, mostly island, in Lake County.  
Highly developed, excellent for subdivision,  
high-grade gentlemen's estate, hotel, hunting  
lodges or colony. Property must be  
seen to be appreciated. It cannot be duplicated  
anywhere. Price \$275,000. If prepared  
to handle proposition this size, you  
will make no mistake in writing for full  
particulars.

E. H. MOTE,  
Leesburg, Florida.

## BANKRUPT SALE

UNITED STATES DISTRICT COURT,  
Southern District of New York.

In Bankruptcy.

In the matter of

DIAMOND FUEL COMPANY, Bankrupt.

No. 29239.

Notice is hereby given that pursuant to  
an Order of this Court the undersigned,  
Trustee in Bankruptcy, offers for sale, free  
and clear of all encumbrances or liens, certain  
property, assets and effects of the bankrupt  
herein. The property to be sold consists  
of the following:

Mining property located at Arden, Barbour  
County, West Virginia, consisting of  
approximately 600 acres, together with all  
equipment and appurtenances belonging  
thereto; said property is known as "The  
Boat Run Mine."

Bids for the above-described property may  
be submitted to the Referee, John L. Lyttle,  
at his office, Room 1701, 299 Broadway,  
City of New York, on or before the 24th  
day of February, 1926, at 12 o'clock noon,  
at which time and place the bids will be  
opened by the Referee, and creditors may attend  
and express themselves in reference  
thereto. Each bid must be accompanied by  
a certified check or cash for at least 10%  
of the amount of the bid.

An inspection can be arranged by calling  
upon the undersigned or upon R. E. Talbot,  
Citizens' National Bank, Philippi, West  
Virginia.

Further information can be obtained by  
applying to any of the undersigned.

The Trustee reserves the right to reject  
any or all bids, in which event the said  
property will be sold at public auction, free  
and clear of all encumbrances and liens, by  
John L. Lyttle, Referee in Bankruptcy herein,  
at his office, Room 1701, 299 Broadway,  
City of New York, on the 10th day of  
March, 1926, at 12 o'clock noon.

Dated NEW YORK, January 18, 1926.

JOHN B. JOHNSTON, Trustee,

100 Broadway, New York City.

KIRLIN, WOOLSEY, CAMPBELL,

HICKOX & KEATING,

Attorneys for Trustee,

27 William Street, New York City.

DAVIS, POLK, WARDWELL,

GARDINER & REED,

Attorneys for Trustee,

15 Broad Street, New York City.

## INDUSTRIES WANTED

WANTED—Silk, Hosiery, Woolen, Carpet  
or Furniture Factory to locate at Elkton,  
Va., "Shenandoah Valley." Write for full  
information, CHAMBER OF COMMERCE,  
Elkton, Va.

BALL GROUND, GEORGIA: population  
1200, second-class postoffice, monthly pay  
roll \$12,000, located 49 miles northwest  
Atlanta, Ga., on L. & N. Railroad; graded  
highway between Atlanta and Knoxville,  
Tenn.; plenty cheap labor, unlimited electric  
power. Ideal location for any manufacturing  
industries. If interested will make you  
a satisfactory proposition. Great possibilities  
in mineral developments. Write  
Ball Ground Chamber of Commerce.

## INDUSTRIES WANTED

**FREE SITES** and other inducements for industries offered at Manchester, Tenn. Concrete roads, national highway, good shipping facilities, pure freestone water, cheap electric power, near coal mines; white labor plentiful. Unusual opportunities for canneries, tobacco manufacturers, textiles. Address **HUGH DOAK**, Manchester, Tenn.

**PARIS, KY.**, in the heart of the Blue Grass section—a gateway, both rail and road, to all important cities—offers inducements and advantages to factories. Plenty of water power, reasonable labor, good freight rates. We have four branches of the L. & N. R. R., with shops; all of its officials for this division are located here. We will gladly consider your proposition and hold communications confidential.

SECRETARY.  
BOARD OF COMMERCE.  
P. O. Box 219, Paris, Ky.

## IF INDUSTRIALLY INTERESTED IN FLORIDA.

Remember, we are engineers. We will render our experience available at your service. Will assist in development of your manufacture or organization. We will extend your manufacture into this ever-growing field of opportunities, will submit survey of the territory most suitable to your problems. General mechanically and chemically allied industries are invited to select our service and interest. We also solicit investment inquiries.

**BAJDA, JAMERSON & GILBERT, INC.**,  
311 Stovall-Nelson Bldg., Tampa, Fla.

## INDUSTRIAL PLANTS

**FOR SALE.**  
Brick Manufacturing Plant at Athens, Ga.  
**U. H. DAVENPORT**,  
Athens, Ga.

**FACTORY BUILDING FOR SALE.**  
**HICKORY, N. C.**, on corner lot, one block from center of town, one from Post Office, one from Railway Stations, windows on four sides, street on two, paved alley other two, steam-heated, electrically equipped, electric elevator, size 50x160 ft., two stories, brick. This building built for Overall plant; is suitable for small manufacturing plant of any kind; plenty of cheap labor; cheap power available. **ELLIOTT BUILDING COMPANY**, Hickory, N. C.

## HOTEL SITE

**TAMPA, FLORIDA**—All-season hotel site, entire block fronting on four streets, 210x-210; three blocks east of Hillsborough Hotel; two blocks from Post Office; on main cross street to Union Station; 99-year lease on 6% basis. Would consider making lease on one-half block. Address Owner, Room 5, Lucas Building, Tampa, Florida.

## FACTORY SITES

**PORT OF NEW ORLEANS**—Industrial Sites fronting Mississippi River; railroad facilities. **MERAUX & NUNEZ**, 710 New Orleans Bank Bldg., New Orleans, La.

**FREE FACTORY SITE** for industry employing white labor that will locate at Pittsboro, N. C. Unlimited electric power and plenty of labor available. On Seaboard Air Line R. R.; excellent highways. Kindly communicate with **T. A. Thompson**, Bynum, N. C.

## TAMPA, FLORIDA.

Warehouse and commercial sites in Tampa's best business districts are my specialty. Write or wire me. All brokers invited to co-operate.

**PHILIP G. MURPHY**, Realtor,  
417 Twiggs Street, Tampa, Fla.

**EXCELLENT FACTORY SITE** with long frontage on Main Line of Southern Railway both sides, also sidetracks, flag stop and long frontage on National Highway. Plenty of good water, several hundred acres available; Southern power close by and labor plentiful. The best factory town site we know of in the great Piedmont manufacturing section of N. C. Very reasonable price.

**F. C. ABBOTT & CO.**, Realtors,  
Charlotte, N. C.  
28 years' experience in North Carolina Real Estate.

## PATENT ATTORNEYS

**PATENTS**—Booklet free. Highest references. Best results. Promptness assured. **Watson E. Coleman**, Patent Lawyer, 644 G St. N. W., Washington, D. C.

## PATENT-SENSE. "THE BOOK FOR INVENTORS AND MANUFACTURERS."

Free. Write  
**LACEY & LACEY**,  
735 F Street, Washington, D. C.

**PATENTS--TRADEMARKS--COPYRIGHTS**  
Write for our free Guide Books and "RECORD OF INVENTION BLANK" before disclosing inventions. Send model or sketch and description of your invention for our inspection and instructions, free. Terms reasonable. Highest references. **VICTOR J. EVANS & CO.**, 712 Ninth, Washington, D. C.

**INVENTORS**—Send sketch or model of your invention for opinion concerning patentable nature and exact cost of applying for Patent. Book, "How to Obtain a Patent," sent free. Gives information on patent procedure and tells what every inventor should know. Established 25 years. **Chandlee & Chandlee**, 412 Seventh St. N. W., Washington, D. C.

## MANUFACTURERS AGENTS

**CALLING ON ARCHITECTS** and Contractors to secure sales on newly-developed, high-grade commercial Kalamain Door, sold at prices on which large volume can be developed. No. 6433, care Manufacturers Record.

## AGENCIES WANTED

**MANUFACTURERS' AGENT**, established in North Carolina for twenty years, desires few building supplies specialties. Maintains thorough organization. Personally known among architects, dealers, etc. Address **Box 214, Raleigh, N. C.**

## SITUATIONS WANTED

## SALES EXECUTIVE.

Sales Manager of Northern structural fabricating plant producing thirty thousand tons annually desires change. Nine years with present connection, where sales increased from twenty-five hundred tons to present capacity. Available after April 1. Address No. 6559, Manufacturers Record.

**POSITION WANTED**—By man having over 20 years' experience selling flour-mill machinery and electric cranes. Have also had experience with construction company, and in purchasing artillery materials for Ordnance Department U. S. A. during late war. South preferred. For full information address No. 6551, care Manufacturers Record, Baltimore, Md.

**WITH BUSINESS HOUSE** dealing with Spanish-America, a technical university graduate, resident for over seven years in Spanish America, experienced in personal solicitation, in direct mail advertising and in details of office management; terse, forceful writer; desires position as Secretary or Assistant to President or Manager. Address No. 6558, Manufacturers Record.

**WANTED — HIGH-GRADE SALESMEN AND SALES AGENTS CAPABLE OF REPRESENTING A NATIONALLY KNOWN QUALITY BRAND OF TECHNICAL PAINT SPECIALTIES, EXCLUSIVELY OR IN CONJUNCTION WITH SOME OTHER LINE. FULL INFORMATION AS TO EXPERIENCE, PRESENT CONNECTIONS AND REFERENCES REQUIRED. ADDRESS NO. 6485, CARE OF MANUFACTURERS RECORD, BALTIMORE, MD.**

**WANTED**—Mechanical or electrical engineer by large manufacturing plant in Virginia. Prefer technical graduate 28 to 34 years of age. Industrial plant experience desirable, but not essential, the main qualifications being initiative, self-reliance, ability to handle men and agreeable personality. Starting salary about \$250 per month. Excellent opportunity to right man. No attention will be given to inquiries unless experience is given in detail and references furnished. Address No. 6557, care Manufacturers Record, Baltimore, Md.

## MEN WANTED

**SALESMAN FOR A WELL-ESTABLISHED Leather Belt Manufactory**; good salary and bonus. Address No. 6516, care Manufacturers Record, Baltimore, Md.

**SUPERINTENDENT** for heavy railroad construction contract, steam shovel and team grading, earth, rock and masonry. Address No. 6556, care of Manufacturers Record.

**OPENING FOR GENERAL SUPERINTENDENT**; railroad contractors; give full information; confidential. Address No. 6555, care of Manufacturers Record.

**SALESMEN WANTED**—Our proposition offers greatest earning possibilities to the real salesman than is offered to him in most any other line. A credit and collection service with a bonded recovery obligation. **American Security Credit Company**, General Offices, St. Louis, Mo.

**SALARIED POSITIONS \$2500 to \$25,000**, upward; executive, technical, administrative, engineering, manufacturing, professional, financial, etc., all lines. If qualified and receptive to tentative offers you are invited to communicate in confidence with the undersigned, who will conduct preliminary negotiations. A method is provided through which you may receive confidential overtures without jeopardizing present connections, and in a manner conforming strictly to professional ethics. Established 1910. Send name and address only for preliminary particulars. No obligation. **R. W. Birby, Inc.**, 268 Main St. (Suite 803), Buffalo, N. Y.

## WANTED

## FIVE

## GOOD ENGINEERING DRAFTSMEN.

Must be competent to design and detail buildings, pipe work, machinery layouts and general plant improvements in large industrial plant. Technical graduates with about five to ten years' experience preferred. Permanent positions for satisfactory men, with the advantages offered by a large and growing company. Give full details of education and experience, salary required and references in your application. Transportation expenses will not be paid, as we are seeking permanent men, not floaters. Location Virginia. Address No. 6548, care Manufacturers Record, Baltimore, Md.

## SLAG

**FOUR MILLION TONS** of slag located in Dade County, Georgia, thirty miles from Chattanooga, Tennessee, on the A. G. S. Division of the Southern Railroad. Sidetrack built to properties. No switching charges by railroad. Would like to communicate with parties who are interested in handling this slag as an outright purchase or on a royalty basis. Manufacturing plants are exempt from taxes for a period of five years in Dade County, Georgia. For full particulars write **B. W. NEWSOM**, Owner, P. O. Box No. 9, Chattanooga, Tennessee.

## MACHINERY AND SUPPLIES

**FOR SALE**—1 No. 21-E Smith Paver, new 1925; 1 No. 21-E Koehring Paver.  
**D. C. ELPHINSTONE, INC.**,  
120 S. Calvert St., Baltimore, Md.

## MACHINERY AND SUPPLIES WANTED

**WANTED**—Heavy power knife suitable for cutting strawboard.  
**PETERSBURG LUGGAGE CO., INC.**,  
Petersburg, Va.



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